Welcome from the President

Welcome to Temple University. The Undergraduate Bulletin will be a guide to your academic journey here at Temple. I hope that you will find it to be helpful as you embark on an exciting adventure of discovery at the University.

The Bulletin is a guide to the requirements for the core curriculum and completing a major. It is also a window into the vast array of human knowledge; it contains more than 4,500 opportunities to learn about everything from accounting to women's studies. As you browse this catalog, you are sure to find something that will interest you, perhaps something you never expected.

The Bulletin is more than a listing of courses, a description of academic programs and degree requirements, and general information about the services and programs Temple offers. It reflects the breadth and depth of opportunities Temple University has to offer. Temple has a distinguished faculty in 17 schools and colleges and offers 125 undergraduate majors as well as 52 undergraduate minors and 69 concentrations.

Temple also provides many settings in which to learn, including five regional campuses in the greater Philadelphia area, other campuses in Pennsylvania, and sites and programs around the world. In addition to the flagship Main Campus, the Philadelphia campuses include the Health Sciences Center, the Center City Campus in Philadelphia, a major suburban campus at Temple University at Ambler, and the Tyler School of Art, a suburban art campus in Elkins Park. The University has education centers in Harrisburg and Fort Washington and international campuses in Tokyo and Rome. Temple also offers undergraduate programs throughout the world: Brazil, Costa Rica, France, Germany, Ghana, Great Britain, Greece, Mexico, Puerto Rico, Scotland and Spain, as well as opportunities to participate in study abroad programs with partner colleges and universities.

Temple has much to offer you. Please take advantage of the Undergraduate Bulletin as you plan the journey that lies before you.

Ann Weaver Hart
President
Grants, Scholarships and Loans ................................................................................................................................................. 57
Temple University Grants ......................................................................................................................................................... 57
State and Federal Grant Programs ........................................................................................................................................... 58
Student Loans ........................................................................................................................................................................ 59
Other Programs ........................................................................................................................................................................ 59
Student Responsibilities ........................................................................................................................................................................ 59
Academic Honesty ................................................................................................................................................................. 60
Attendance ................................................................................................................................................................................. 60
Clearing Holds .......................................................................................................................................................................... 60
Code of Conduct ........................................................................................................................................................................ 60
Financial Obligation to the University ....................................................................................................................................... 61
Health and Safety Issues ............................................................................................................................................................ 61
International Students ............................................................................................................................................................... 62
Registration ............................................................................................................................................................................... 62
Temple E-mail Accounts .......................................................................................................................................................... 63
Student Rights .......................................................................................................................................................................... 63
Academic Rights and Responsibilities ......................................................................................................................................... 63
Course Syllabus .......................................................................................................................................................................... 63
Course and Teaching Evaluations (CATE)..................................................................................................................................... 63
FERPA/Privacy Guidelines .......................................................................................................................................................... 63
Americans with Disabilities Act (ADA) ........................................................................................................................................ 64
Protection from Discrimination and Harassment ........................................................................................................................ 64
Grievances ................................................................................................................................................................................... 65
Instructor Office Hours ............................................................................................................................................................... 65
Non-Smoking Policy ................................................................................................................................................................. 65
Student Services Office Hours ................................................................................................................................................... 65
Academic Support ........................................................................................................................................................................ 66
Academic Computer Services ....................................................................................................................................................... 66
Advising ........................................................................................................................................................................................ 66
Degree Audit Reporting System (DARS) ....................................................................................................................................... 67
Pre-Professional Health Studies Advising and Programs ........................................................................................................... 67
The University Libraries ............................................................................................................................................................... 69
Math and Science Resource Center (MSRC) ................................................................................................................................... 70
The Russell Conwell Educational Services Center ..................................................................................................................... 70
Tutoring Services ........................................................................................................................................................................ 71
The University Writing Center ..................................................................................................................................................... 74
Student Services .......................................................................................................................................................................... 75
Career Development Services ....................................................................................................................................................... 75
Disability Resources and Services .................................................................................................................................................. 75
Campus Recreation ..................................................................................................................................................................... 76
Intramural Sports and Sport Clubs ............................................................................................................................................... 77
International Services/International Students ..................................................................................................................................... 77
SARS ........................................................................................................................................................................................ 78
Department of Intercollegiate Athletics ........................................................................................................................................ 78
Office of the Associate Dean of Students ..................................................................................................................................... 78
Student Health and Wellness ........................................................................................................................................................ 78
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Traditional Credit</td>
<td>107</td>
</tr>
<tr>
<td>Permission to Take Courses at Another Institution</td>
<td>109</td>
</tr>
<tr>
<td>Placement Testing</td>
<td>109</td>
</tr>
<tr>
<td>Plagiarism and Academic Cheating</td>
<td>110</td>
</tr>
<tr>
<td>Prerequisites and Co-requisites</td>
<td>110</td>
</tr>
<tr>
<td>Probation and Dismissal</td>
<td>110</td>
</tr>
<tr>
<td>Registration</td>
<td>110</td>
</tr>
<tr>
<td>Repeating a Course</td>
<td>110</td>
</tr>
<tr>
<td>Satisfactory Academic Progress</td>
<td>111</td>
</tr>
<tr>
<td>Schedule Revision (Drop/Add)</td>
<td>111</td>
</tr>
<tr>
<td>Second Degrees</td>
<td>111</td>
</tr>
<tr>
<td>Study Abroad Approval Procedures for Non-Temple Programs</td>
<td>111</td>
</tr>
<tr>
<td>Transcripts</td>
<td>111</td>
</tr>
<tr>
<td>Transfer Between Colleges Within the University</td>
<td>111</td>
</tr>
<tr>
<td>Transfer Credit</td>
<td>112</td>
</tr>
<tr>
<td>Withdrawal Policies</td>
<td>112</td>
</tr>
<tr>
<td>Academic Programs</td>
<td>113</td>
</tr>
<tr>
<td>THE CORE CURRICULUM</td>
<td>113</td>
</tr>
<tr>
<td>Core Transfer Programs</td>
<td>115</td>
</tr>
<tr>
<td>45+ Transfer Core</td>
<td>116</td>
</tr>
<tr>
<td>Core-To-Core Transfer</td>
<td>117</td>
</tr>
<tr>
<td>Temple Information Literacy Tutorial: TILT</td>
<td>118</td>
</tr>
<tr>
<td>Composition/Writing and the University Writing Program</td>
<td>119</td>
</tr>
<tr>
<td>Intellectual Heritage</td>
<td>120</td>
</tr>
<tr>
<td>American Culture</td>
<td>120</td>
</tr>
<tr>
<td>The Arts</td>
<td>121</td>
</tr>
<tr>
<td>Individual and Society</td>
<td>123</td>
</tr>
<tr>
<td>International Studies or Language</td>
<td>124</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>126</td>
</tr>
<tr>
<td>Science and Technology</td>
<td>128</td>
</tr>
<tr>
<td>Studies in Race</td>
<td>130</td>
</tr>
<tr>
<td>List of Writing-Intensive Courses</td>
<td>132</td>
</tr>
<tr>
<td>GENERAL EDUCATION</td>
<td>144</td>
</tr>
<tr>
<td>DIVISION OF UNIVERSITY STUDIES</td>
<td>144</td>
</tr>
<tr>
<td>Introductory Information</td>
<td>144</td>
</tr>
<tr>
<td>Goals and Objectives</td>
<td>144</td>
</tr>
<tr>
<td>Admissions</td>
<td>144</td>
</tr>
<tr>
<td>Financial Aid and Scholarships</td>
<td>145</td>
</tr>
<tr>
<td>Special Programs</td>
<td>145</td>
</tr>
<tr>
<td>Honor Societies, Awards for Achievement</td>
<td>145</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>145</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>146</td>
</tr>
<tr>
<td>General College Graduation Requirements</td>
<td>147</td>
</tr>
<tr>
<td>Division of University Studies: Undeclared Option</td>
<td>147</td>
</tr>
<tr>
<td>Programs of Study - Chart of Degrees</td>
<td>150</td>
</tr>
<tr>
<td>INTERCOLLEGIAL PROGRAMS</td>
<td>163</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Special Programs</td>
<td>163</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>163</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td>167</td>
</tr>
<tr>
<td>Political Economy</td>
<td>168</td>
</tr>
<tr>
<td>AMBLER COLLEGE</td>
<td>170</td>
</tr>
<tr>
<td>Academic Advising Information</td>
<td>174</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>176</td>
</tr>
<tr>
<td>General College Graduation Requirements</td>
<td>176</td>
</tr>
<tr>
<td>Important Student Contact Information</td>
<td>177</td>
</tr>
<tr>
<td>Faculty</td>
<td>178</td>
</tr>
<tr>
<td>Community and Regional Planning</td>
<td>179</td>
</tr>
<tr>
<td>Landscape Architecture &amp; Horticulture</td>
<td>181</td>
</tr>
<tr>
<td>TYLER SCHOOL OF ART</td>
<td>189</td>
</tr>
<tr>
<td>Academic Advising Information</td>
<td>195</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>198</td>
</tr>
<tr>
<td>General College Graduation Requirements</td>
<td>199</td>
</tr>
<tr>
<td>Student Contact Information</td>
<td>199</td>
</tr>
<tr>
<td>Bachelor of Fine Arts</td>
<td>200</td>
</tr>
<tr>
<td>Crafts</td>
<td>203</td>
</tr>
<tr>
<td>Graphic Arts and Design</td>
<td>206</td>
</tr>
<tr>
<td>Painting/Drawing/Sculpture</td>
<td>209</td>
</tr>
<tr>
<td>Architecture</td>
<td>212</td>
</tr>
<tr>
<td>Art and Art Education</td>
<td>214</td>
</tr>
<tr>
<td>Bachelor of Science in Art Education</td>
<td>217</td>
</tr>
<tr>
<td>Art History Department</td>
<td>218</td>
</tr>
<tr>
<td>FOX SCHOOL OF BUSINESS &amp; MANAGEMENT</td>
<td>220</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>223</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>223</td>
</tr>
<tr>
<td>College Graduation Requirements</td>
<td>225</td>
</tr>
<tr>
<td>Student Contact</td>
<td>226</td>
</tr>
<tr>
<td>Faculty</td>
<td>227</td>
</tr>
<tr>
<td>Accounting</td>
<td>232</td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>233</td>
</tr>
<tr>
<td>Business Minor</td>
<td>234</td>
</tr>
<tr>
<td>Business Management</td>
<td>237</td>
</tr>
<tr>
<td>Economics</td>
<td>241</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>242</td>
</tr>
<tr>
<td>Finance</td>
<td>243</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>244</td>
</tr>
<tr>
<td>International Business Administration</td>
<td>246</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>247</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>249</td>
</tr>
<tr>
<td>Marketing</td>
<td>250</td>
</tr>
<tr>
<td>Real Estate</td>
<td>251</td>
</tr>
<tr>
<td>Risk Management &amp; Insurance</td>
<td>252</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Nursing</td>
<td>341</td>
</tr>
<tr>
<td>Public Health</td>
<td>344</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>348</td>
</tr>
<tr>
<td><strong>COLLEGE OF LIBERAL ARTS</strong></td>
<td>354</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>359</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>363</td>
</tr>
<tr>
<td>Requirements for the Baccalaureate Degree</td>
<td>364</td>
</tr>
<tr>
<td>Student Contact Information</td>
<td>366</td>
</tr>
<tr>
<td>Faculty</td>
<td>366</td>
</tr>
<tr>
<td>African American Studies</td>
<td>366</td>
</tr>
<tr>
<td>American Studies</td>
<td>368</td>
</tr>
<tr>
<td>Anthropology</td>
<td>370</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>375</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>377</td>
</tr>
<tr>
<td>Critical Languages Center</td>
<td>379</td>
</tr>
<tr>
<td>Economics</td>
<td>381</td>
</tr>
<tr>
<td>English</td>
<td>384</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>385</td>
</tr>
<tr>
<td>French</td>
<td>386</td>
</tr>
<tr>
<td>Geography and Urban Studies</td>
<td>387</td>
</tr>
<tr>
<td>German</td>
<td>390</td>
</tr>
<tr>
<td>Greek and Roman Classics</td>
<td>391</td>
</tr>
<tr>
<td>History</td>
<td>393</td>
</tr>
<tr>
<td>Italian</td>
<td>395</td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>397</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>398</td>
</tr>
<tr>
<td>Lesbian, Gay, Bisexual and Transgender (LGBT) Minor</td>
<td>400</td>
</tr>
<tr>
<td>Intercollegial B.A. Degree in Mathematical Economics</td>
<td>400</td>
</tr>
<tr>
<td>Philosophy</td>
<td>400</td>
</tr>
<tr>
<td>Political Science</td>
<td>402</td>
</tr>
<tr>
<td>Psychology</td>
<td>404</td>
</tr>
<tr>
<td>Religion</td>
<td>411</td>
</tr>
<tr>
<td>Russian</td>
<td>413</td>
</tr>
<tr>
<td>Sociology</td>
<td>416</td>
</tr>
<tr>
<td>Spanish and Portuguese</td>
<td>420</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>426</td>
</tr>
<tr>
<td>BOYER COLLEGE OF MUSIC &amp; DANCE</td>
<td>427</td>
</tr>
<tr>
<td>Academic Advising Center</td>
<td>432</td>
</tr>
<tr>
<td>Boyer College Policies for Music Students</td>
<td>433</td>
</tr>
<tr>
<td>General College Graduation Requirements - Music</td>
<td>435</td>
</tr>
<tr>
<td>Student Contact Information</td>
<td>436</td>
</tr>
<tr>
<td>Music Technology Component</td>
<td>445</td>
</tr>
<tr>
<td>Performance, Vocal Instruction</td>
<td>445</td>
</tr>
<tr>
<td>Performance, Keyboard/Piano Instruction</td>
<td>448</td>
</tr>
<tr>
<td>Performance, Keyboard/Harpischord Instruction</td>
<td>449</td>
</tr>
<tr>
<td>Performance, Piano Pedagogy</td>
<td>451</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Bachelor of Social Work (B.S.W.)</td>
<td>552</td>
</tr>
<tr>
<td>COLLEGE OF SCIENCE &amp; TECHNOLOGY</td>
<td>500</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>501</td>
</tr>
<tr>
<td>General College Graduation Requirements</td>
<td>508</td>
</tr>
<tr>
<td>Important Student Contact Information</td>
<td>508</td>
</tr>
<tr>
<td>Faculty</td>
<td>508</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>511</td>
</tr>
<tr>
<td>Biology</td>
<td>514</td>
</tr>
<tr>
<td>Biophysics</td>
<td>517</td>
</tr>
<tr>
<td>Chemistry</td>
<td>519</td>
</tr>
<tr>
<td>Computer Science</td>
<td>523</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>526</td>
</tr>
<tr>
<td>Geology</td>
<td>526</td>
</tr>
<tr>
<td>Information Science &amp; Technology</td>
<td>530</td>
</tr>
<tr>
<td>Mathematics</td>
<td>534</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>541</td>
</tr>
<tr>
<td>Physics</td>
<td>542</td>
</tr>
<tr>
<td>SCHOOL OF SOCIAL ADMINISTRATION</td>
<td>546</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>548</td>
</tr>
<tr>
<td>General Graduation Requirements</td>
<td>550</td>
</tr>
<tr>
<td>Important Student Contact Information</td>
<td>550</td>
</tr>
<tr>
<td>Administrators and Faculty</td>
<td>550</td>
</tr>
<tr>
<td>Bachelor of Social Work (B.S.W.)</td>
<td>552</td>
</tr>
<tr>
<td>SCHOOL OF TOURISM &amp; HOSPITALITY MANAGEMENT</td>
<td>557</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>559</td>
</tr>
<tr>
<td>General School Graduation Requirements</td>
<td>560</td>
</tr>
<tr>
<td>Important Student Contact Information</td>
<td>560</td>
</tr>
</tbody>
</table>
About This Bulletin

The Undergraduate Bulletin is produced by the Office of the Provost to present general information about Temple University and specific information about undergraduate academic programs. Although every effort is made to provide complete and accurate information, the descriptions of programs and policies are announcements only and in no way serve as a contract.

If you are a new student at Temple this year, this Bulletin contains the requirements of programs into which you will be enrolling. For that reason, your advisors may refer to Fall 2007 as "your Bulletin year." In addition to this Bulletin, you will also find several other publications that provide important information for Temple University undergraduate students. These publications include, but are not limited to, the Temple University Student Handbook and Planner, Guide to Registration, Undergraduate Course Descriptions, Campus Safety & You, Guide to Residential Life, Guide for Students with Disabilities, Temple University Transfer Student Information, and University Housing Staffing and Services.

We hope this Undergraduate Bulletin will prove informative and useful to you as a Temple student. Questions or suggestions regarding the content of the Undergraduate Bulletin may be directed to the Curricular Publications Group in the Office of the Vice Provost for Undergraduate Studies (phone: 215-204-2044).

Below is a list of department names and their abbreviations that may be found throughout the Bulletin:

Department Name ... Abbreviation
Accounting ... ACCT
Actuarial Science ... ACT SCI
Adult & Organizational Development ... AOD
Adult Education ... ADULT E
Advertising ... ADVERT
African American Studies ... AF-AM S
Ambler Horticulture & Landscape Architecture ... AMBLER
American Studies ... AMER ST
Anthropology ... ANTHRO
Architecture ... ARCH
Art Education ... ART ED
Art History ... ART H
Asian Studies ... ASIA ST
Broadcasting, Telecommunications & Mass Media ... BTMM
Business Administration ... BUS ADM
Business Education ... BUS ED
Career & Technical Education ... C/T EDU
Chemistry ... CHEM
Civil & Construction Engineering Technology ... CCET
Civil Engineering ... CE
College of Science & Technology ... SCI TEC
Communication Sciences & Disorders ... CSC+DIS
Communications & Theater ... COMM+TH
Community & Regional Planning ... C+R PLN
Computer & Information Science ... C+IN SC
Counseling Psychology ... CN PSY
Criminal Justice ... CRM JUS
Critical Languages Center ... CR LANG
Curricular Instruction & Technology in Education ... CITE
Disability Studies ... DIS STD
Distributive Education ... DIST ED

© 2007, Temple University. All rights reserved.
E Business ... E-BUSIN
Early Childhood Education ... ECH ED
Economics ... ECON
Educational Leadership & Policy Studies ... ELPS
Education ... EDUC
Educational Administration ... ED ADM
Educational Psychology ... ED PSY
Electrical Engineering ... EE
Electrical Engineering Technology ... EET
Elementary Education ... ELEM ED
Engineering ... ENGRG
Engineering - General ... ENG-GEN
Engineering Technology ... ET
English Education, Elementary ... EN ED-E
English Education, Secondary ... EN ED-S
Environmental Engineering Technology ... ENVT
Environmental Studies ... EVRN ST
Film & Media Arts ... FMA
Foreign Language Education, Secondary Education ... FL ED-S
Foundation Program (Tyler) ... FND PRG
Freshman Seminar ... FRH SEM
General & Strategic Management ... GSM
Geography & Urban Studies ... GUS
Graphic Arts & Design ... GAD
Greek, Ancient ... GRK-ANC
Greek, Modern ... GREEK
Greek & Roman Classics ... G+R CL
Health Information Management ... HIM
Health Related Professions ... HRP
Healthcare Management ... HLT MGT
Honors Program ... HONORS
Horticulture ... HORT
Human Resource Management ... HR MGMT
Industrial Education ... IND ED
Intellectual Heritage ... IH
International Business Administration ... IBA
Japanese ... JAPNESE
Jewish Studies ... J ST
Journalism ... JOURN
Kinesiology ... KNSLOGY
Landscape Architecture ... LAN ARC
Latin American Studies ... LAS
Lesbian, Gay, Bisexual & Transgender Studies ... LGB&T
Liberal Arts ... LIBARTS
Management Information Systems ... MIS
Management Science/Operations Management ... MSOM
Marketing ... MKTG
Math Education, Elementary Education ... M ED-E
Math Education, Secondary Education ... M ED-S
Mathematics ... MATH
Mechanical Engineering ... ME
Mechanical Engineering Technology ... MET
Military Science ... MIL SCI
Music Education ... MUS ED
Music Studies ... MUS ST
New Media Interdisciplinary Concentration ... NMIC
Occupational Therapy ... OC THER
Organizational Studies ... ORGSTDS
Painting, Drawing & Sculpture ... PDS
Physical & Health Education Teacher Education ... PHETE
Philosophy ... PHILOS
Physical Therapy ... PH THER

© 2007, Temple University. All rights reserved.
Political Science ... POL SCI
Portuguese ... PORT
Psycho Educational Processes ... PSE
Psychology ... PSYCH
Public Health ... PUBHLTH
Real Estate ... RL EST
Religion ... REL
Risk Management & Insurance ... RSK MGT
School of Tourism & Hospitality Management ... STAHM
School of Business ... BUS
School of Social Administration ... SOC ADM
School Psychology ... SCH PSY
Science Education, Elementary Education ... SC ED-E
Science Education, Secondary Education ... SC ED-S
Science, Secondary Education ... SCI-S
Slavic Languages & Literature ... SLAV
Social Administration - Undergraduate ... SOC WRK
Social Education, Elementary Education ... SS ED-E
Social Education, Secondary Education ... SS ED-S
Sociology ... SOC
Special Education ... SPEC ED
Sport & Recreation Management ... SRM
Statistics ... STAT
Strategic & Organizational Communication ... STOC
Student Teaching, Elementary Education ... S TCH-E
Student Teaching, Secondary Education ... S TCH-S
Therapeutic Recreation ... THERREC
Topical Studies ... TOP STD
Tourism & Hospitality Management ... THM
Tyler School of Art ... TYLER
University Studies ... UNIV ST
Upper Divisions Honors Program ... UDHP
Urban Education ... URB ED
Women's Studies ... WOM STD

Overview

Please note that all information contained in the Bulletin are announcements only and in no way serve as a contract between the student and Temple University. All prospective and current students are responsible for contacting individual departments regarding the latest information on regulations, policies, program requirements and course offerings.

This version of the 2007-2008 Undergraduate Bulletin was updated in September 2007.

Academic Calendar 2007 - 2008

<table>
<thead>
<tr>
<th>Fall Semester 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall semester begins</td>
</tr>
<tr>
<td>Labor Day holiday</td>
</tr>
<tr>
<td>Last day to drop a course</td>
</tr>
<tr>
<td>Deadline for application for January graduation</td>
</tr>
<tr>
<td>Registration begins (Spring Semester)</td>
</tr>
<tr>
<td>Last day to withdraw from graduate and undergraduate courses</td>
</tr>
<tr>
<td>*CALENDAR ADJUSTMENT</td>
</tr>
<tr>
<td>Thanksgiving recess</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Classes resume</th>
<th>Monday, November 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekday classes end</td>
<td>Wednesday, December 5</td>
</tr>
<tr>
<td>Study days</td>
<td>Thursday, December 6 - Friday, December 7</td>
</tr>
<tr>
<td>Weekend classes end</td>
<td>Saturday, December 8 - Sunday, December 9</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Monday, December 10 - Saturday, December 15</td>
</tr>
<tr>
<td>Winter recess begins</td>
<td>Saturday, December 15 at 10:00 pm</td>
</tr>
</tbody>
</table>

*TUESDAY, NOVEMBER 20 - FOLLOW YOUR THURSDAY CLASS SCHEDULE
WEDNESDAY, NOVEMBER 21 - FOLLOW YOUR FRIDAY CLASS SCHEDULE

<table>
<thead>
<tr>
<th>Spring Semester 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring semester begins</td>
</tr>
<tr>
<td>Diploma date</td>
</tr>
<tr>
<td>Last day to drop a course</td>
</tr>
<tr>
<td>Deadline for application for May graduation</td>
</tr>
<tr>
<td>Spring recess begins</td>
</tr>
<tr>
<td>Classes resume</td>
</tr>
<tr>
<td>Registration begins (Summer Sessions)</td>
</tr>
<tr>
<td>Registration begins (Fall Semester)</td>
</tr>
<tr>
<td>Last day to withdraw from graduate and undergraduate courses</td>
</tr>
<tr>
<td>Classes end</td>
</tr>
<tr>
<td>Study days</td>
</tr>
<tr>
<td>Final examinations</td>
</tr>
<tr>
<td>Commencement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer Sessions 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SUMMER SESSION</strong></td>
</tr>
<tr>
<td>Commencement, No Classes</td>
</tr>
<tr>
<td>Memorial Day Holiday, No Classes</td>
</tr>
<tr>
<td>Last day to drop a course</td>
</tr>
<tr>
<td>Deadline for application for August graduation</td>
</tr>
<tr>
<td>Last day to withdraw from graduate and undergraduate courses</td>
</tr>
<tr>
<td>SECOND SUMMER SESSION</td>
</tr>
<tr>
<td>Last day to drop a course</td>
</tr>
<tr>
<td>Last day to withdraw from graduate and undergraduate courses</td>
</tr>
<tr>
<td>Diploma date</td>
</tr>
</tbody>
</table>

**TUESDAY, JULY 1 - FOLLOW YOUR THURSDAY CLASS SCHEDULE**
About Temple University

A View of Temple University
As a comprehensive, public research university, Temple University offers a commitment to teaching combined with a desire to learn from new experiences. The University is dedicated to new technologies and cutting-edge research built upon decades of practical experience in the field.

Located in the heart of metropolitan Philadelphia, Temple's Main Campus reflects the history and diversity of over 100 years of educating men and women. Since its humble beginnings in 1884, Temple University continues to affirm its commitment to learning, teaching and living with the help of dedicated faculty and staff, as well as the construction of various facilities, including state-of-the-art "smart" classrooms in Tuttleman Learning Center; the Liacouras Center (a thriving sports, entertainment and recreation complex); and the TECH Center (which opened January 2006; one of the largest on-campus computer facilities of its kind in the United States). Temple is currently constructing Alter Hall, which will be the new home for the Fox School of Business and Management in the fall of 2008. Temple also broke ground for a facility that will be the new home for the Tyler School of Art in 2009.

As an internationally-recognized institution, Temple has earned its reputation. Temple’s commitment to teaching and research has attracted top faculty members to each of its 125 bachelor's degree programs, as well as to its professional, master's, and doctoral programs. A recent University initiative has resulted in the hiring of many new faculty members from top institutions across the country. Temple professors are committed not only to research and teaching but to their students as well. A small student-to-faculty ratio ensures that students and professors develop a close rapport that enhances the learning experience.

Temple’s campus extends further than its North Philadelphia roots. It offers campuses and programs of study in Center City Philadelphia, Ambler, Fort Washington, Elkins Park and Harrisburg, Pennsylvania. The Temple University Health Sciences Center, located just two miles north of the Main Campus, is home to the Temple University School of Medicine, the Maurice H. Kornberg School of Dentistry, and the School of Pharmacy. It also includes the Temple University Hospital, a world-class medical facility. The Temple University School of Podiatric Medicine is located two miles southeast of the Main Campus. Temple’s appreciation for diversity and international experiences is reflected in the various international programs offered at the University. Temple has campuses in Rome and Tokyo, as well as opportunities to study on almost every continent in countries such as England, Germany, Ghana, Greece, Spain, India, and Scotland. Additionally, on campus, programs such as the Latin American Studies Semester provide an in-depth study of foreign cultures right at home.

Temple understands that the college experience is not limited to what happens in the classroom. To that extent, the University offers an array of recreational and cultural activities that reflect the diversity of its student body. There are dozens of student-run organizations in health, business, recreation, politics or religion that fit the student’s background or desire to learn. There are also many social and professional Greek associations to join. Temple's traditional Spring Fling and Cherry and White Day invigorate the campus every year. The University offers art galleries on both the Tyler and Main campuses, and in the Old City cultural district. Temple University’s Boyer College of Music and Dance offers a wide variety of music and dance recitals and concerts throughout the year at on-campus and off-campus locations. The University has men's and women's teams that compete in a variety of intercollegiate sports, including basketball, crew, fencing, gymnastics, and track and field, most at the national-collegiate level. Temple University also offers a variety of intramural sports and sports clubs for its students. New on-campus student housing and an attractively-renovated Student Center underscore Temple's commitment to enriching campus life. In fact, more students now live on campus than at any point in Temple's history, reflecting a broader change of the University from a commuter school to an expanding residential community.

Off campus, students can explore all that Philadelphia has to offer. The city is home to the Philadelphia Museum of Art, the Philadelphia Zoo, and the Philadelphia Orchestra. Students can tour the historic neighborhoods of Philadelphia, and visit the Liberty Bell and Independence Mall, the birthplace of the country. The city also offers world-class theater from touring Broadway shows and local performances at the Kimmel Center for the Performing Arts. The Philadelphia Sports Complex in South Philadelphia showcases a variety of entertainment opportunities. Students can catch any of Philadelphia’s professional sports teams and minor league teams in action, as well as concerts by any band or artist imaginable. Large or small, in the city or around the world, on the field or in the classroom, Temple University gives students every opportunity to grow as individuals, learn in a variety of unique settings, and explore the possibilities.

The University: Where We've Been and Where We're Going
Temple University was founded in 1884 by Dr. Russell H. Conwell as an outgrowth of his ministry at the Baptist Temple. Dr. Conwell wanted to make higher education available to all capable and motivated students regardless of their
backgrounds and finances. His college began as informal classes for seven people and was first housed in the meeting rooms of his church.

More than 100 years later, having emerged as a major educational enterprise, Temple University continues the Conwell mission. Today, Temple is the 26th largest university in the United States and the largest public university provider of professional education (law, dentistry, medicine, pharmacy, and podiatric medicine) in the country.

Temple is a world-class center of teaching, research, and health care. The University is identified in the Carnegie Classification of Institutions of Higher Education as one of only a hundred or so public institutions nationally (and one of six in Pennsylvania) that are designated as "Doctoral/Research Universities—Extensive." Temple serves as a vital research center for the United States government and is one of the three national survey research facilities.

From its roots in the historical and cultural richness of Philadelphia, Temple has become a major international university. With seven regional campuses as well as foreign campuses in Tokyo, Japan, and Rome, Italy, Temple attracts over 35,000 students from across the nation and around the world. In addition to its campuses in Tokyo and Rome, Temple has connections to campuses on virtually every continent, and its professors are known both nationally and internationally.

Through its seventeen schools and colleges, Temple University offers academic programs on both undergraduate and graduate levels. There are 2 associate degree areas, 125 bachelor's degree areas, 115 master's degree areas, 53 doctoral degree areas, and 7 first professional degree areas. In the 2005-06 academic year, Temple University awarded 7,612 degrees as follows: 4,825 undergraduate degrees, 1,960 graduate degrees and 827 first professional (J.D., M.D., D.M.D., D.P.M., Pharm.D.) degrees.

The University is proud of its distinguished faculty, many of whom possess national and international reputations. These award-winning scholars and teachers offer students at the undergraduate, graduate, and professional levels the education and training they need to succeed. At the undergraduate level, the average class size is 27, and most of these classes are taught by senior faculty. One of the nation’s major centers of teaching, research, and service, Temple is one of three public research universities in Pennsylvania and the second largest in the state. It is a leader in medicine and biomedical research, and the Temple University Health System, Inc., provides the most advanced care for thousands of residents throughout the region.

Temple has also been a leader in bold curricular initiatives. It was one of the first public research institutions to establish a rigorous, University-wide core curriculum in its undergraduate schools and colleges. Temple also has received national recognition for its Learning Communities, in which incoming freshmen form small groups according to their majors and interests. In addition, the University’s Honors program is a model for other colleges and universities as it engages students in intellectually stimulating and challenging course work throughout their undergraduate career.

Temple University is a member of the Commonwealth System of Higher Education in Pennsylvania and is supported by student tuition; annual appropriations from the Commonwealth; federal grants; gifts from alumni, corporations, and friends; and income from endowments. The University is governed by a 36-member Board of Trustees.

Temple University is accredited by the Middle States Association of Colleges and Schools, Commission on Higher Education. Most of Temple's schools and colleges have received additional accreditation from other agencies, noted in each school and college's section of this Bulletin.

For more information on Temple University, visit the University's home page at www.temple.edu, view the Temple University Factbook at www.temple.edu/factbook/, and see more about Temple at www.temple.edu/about.html.

The Undergraduate University Policies specified in this Bulletin cover all students taking courses at all Temple University campuses worldwide. Maps and descriptions of Temple University's Pennsylvania campuses are provided in the Campuses section of this Bulletin.

Temple University Main Campus

Founded 1884
Peter R. Jones
Vice Provost for Undergraduate Studies
215-204-7000 (general number)
www.temple.edu

© 2007, Temple University. All rights reserved.
Located one mile north of Center City Philadelphia, Temple's 115-acre Main Campus serves students from the Delaware Valley area, from throughout the United States, and from 103 foreign nations. There are approximately 20,000 undergraduates and 5,000 graduate and professional school students attending classes on the Main Campus.

The Main Campus can be reached easily by public transportation using the "C" bus on Broad Street, the Broad Street Subway (Cecil B. Moore Avenue stop), AMTRAK at North Broad Street Station, and SEPTA Commuter Rail Lines at the Temple/Cecil B. Moore Station, Ninth and Berks Streets.

The major facilities of the Campus are located between 10th and 16th Streets and between Oxford and Diamond Streets. Nine Temple schools and colleges with undergraduate programs have their central administrative offices at the Main Campus, as well as most of their classrooms. These include the Richard J. Fox School of Business and Management; the School of Communications and Theater; the College of Education; the College of Liberal Arts; the Esther Boyer College of Music and Department of Dance; the College of Science and Technology; the College of Social Administration; and the School of Tourism and Hospitality Management. The Graduate School and the James E. Beasley School of Law are also located on Main Campus. Many of these schools and colleges offer programs and courses on other campuses and at various extension centers. Those offerings are described in each individual college section and are listed on the "Programs Offered" chart at www.temple.edu/bulletin/Academic_programs/chart_degrees/chart_program/chart.shtm

Programs Offered
All of the programs listed in the chart of Temple programs are offered on the Main Campus except those of the Ambler College (Landscape Architecture, Horticulture, and Community and Regional Planning); the programs of the College of Health Professions, the Maurice H. Kornberg School of Dentistry, the School of Medicine, and the School of Pharmacy, which are offered at the Health Sciences Center only; the programs of the School of Podiatric Medicine, which are offered at 8th and Race Streets; and those of the Tyler School of Art, which are offered at the Tyler Campus.

Physical Facilities
In addition to housing the major classroom and administrative facilities of nine of the schools and colleges of Temple, the Main Campus is also the central location of the University's Library System and Computer Center. Other facilities include two stages for theatrical productions (Tomlinson Theater and Randall Theater), two music recital halls (Klein Recital Hall and Rock Hall), and a dance laboratory theater (Conwell Dance Lab).

The Main Campus is home to the Media Learning Center for the study of Critical Languages and other self-study courses and the Presser Learning Center, a nationally-known multimedia laboratory for teacher education in music. The University's 20,000-watt, 24-hour classical and jazz and radio station, WRTI-FM, is located at the Entertainment and Community Education Center, behind the Liacouras Center at 1509 Cecil B. Moore Avenue, Third Floor, Philadelphia, PA 19121-3410. The Liacouras Center, a venue for sports, entertainment, cultural, and educational activities, consists of an 11,000-seat concert and convocation center and is home to the Temple Owls Basketball team, the Esther Boyer Theater, the Independence Blue Cross Student Recreation Center, the Entertainment and Community Education Center, and a 1,200-car garage.

The world-class TECH Center, located on 12th and Montgomery, features many technology resources available to students. The facility includes hundreds of computers, a help desk, University welcome center, faculty wing, specialty labs, an internet lounge, social spaces, and private breakout rooms for studying.

The Howard Gittis Student Center provides a modern 700-seat dining facility with a wide variety of food venues and an upscale entry atrium. The Student Center also houses the bookstore, post office, credit union, travel agency, information counter, the student newspaper, Temple Student Government Offices, Main Campus Program Board, the school yearbook, the Office of the Dean of Students, television lounge, quiet lounge and student organizational space.

Recreation facilities include a Student Fitness complex in the Independence Blue Cross Student Recreation Center; two Olympic-size swimming pools, several gymasia, weight-training rooms, including a cardiovascular fitness center, in Pearson and McGonigle Halls; an eight-lane, 400-meter outdoor track; an indoor track in the Independence Blue Cross Student Recreation Center; a lighted outdoor recreation and sports complex that includes four acres of artificial turf and a 4,500 seat arena. The Main campus also has a student recreation facility consisting of a 39,000-square foot Student Pavilion with lighted tennis courts and an outdoor in-line skating surface.

The Tuttleman Learning Center is a hub for emerging learning technologies, with flexible classrooms, distance learning sites, student lounges, and personalized areas for small group activities, and is home to the University Writing Center, the University Honors Program, and International Programs.

© 2007, Temple University. All rights reserved.
Liacouras Walk, a major pedestrian way running through the center of Campus, provides retail shops, food service, and the Conwell Inn. The Academic Resource Center, Math and Science Resources Center, and the Academic Advising Centers for the College of Liberal Arts and the College of Science and Technology are located at 1810 Liacouras Walk.

**Temple University Ambler Campus**

**Founded 1958**

James W. Hilty, Ph.D.,
Acting Dean, Ambler College
CEO, Temple University Ambler
580 Meetinghouse Road
Ambler, PA 19002
267-468-8000
ambler@temple.edu
www.ambler.temple.edu

Temple University Ambler, a respected innovator in research and education in social, economic, and environmental studies, delivers high-quality undergraduate, graduate, and non-credit programs to meet the needs of the region and provide a rewarding life experience for students of all ages. Ambler campus faculty and administration promote responsible citizenry through curricular and extracurricular activities and applied research that demonstrate and promote concepts central to the creation of strong, sustainable communities - student-centered learning, community engagement, and respect for the environment.

The Ambler campus, with an undergraduate student population of 3,000, is an ideal campus to pursue higher education, with a convenient location, courses in a variety of disciplines, and a friendly atmosphere. Located in suburban Montgomery County, just 18 miles north of the Main Campus (and minutes from Route 309 and the Pennsylvania Turnpike), Ambler offers the benefits of a small college campus with the excitement and vast resources of a large university. Ambler attracts students who live or work in the greater Philadelphia area, including those from Philadelphia, Bucks, Lehigh, Montgomery, and Northampton counties. The Blue Route (Route 476) also makes Temple University Ambler easily accessible to students from Chester and Delaware counties.

Commuters and residents enjoy Ambler's stunning grounds, student organizations and activities, and recreational facilities that include an exercise/weight room, indoor/outdoor pool, and tennis and basketball courts. The campus is also home to Temple University's baseball, softball, and men's and women's soccer NCAA Division I teams.

Ambler's facilities include science laboratories, a library, top-quality computer labs, "smart" classrooms, Computer-Assisted Design (CAD) and Geographic Information Systems (GIS) lab/classrooms, dining center, cafés, and a residence hall.

In Fall 2006 the new Ambler Learning Center opened; the Center is a state-of-the-art facility incorporating smart classrooms, wireless technology, new computer labs/classrooms, a technology "breakout" room, study lounges, video-conferencing room, and a 300-seat auditorium. There is also a mathematics and writing resources center as well as a visual arts studio that includes an art education classroom.

The Ambler campus offers hundreds of undergraduate courses during the day, evening, and weekends, taught by the University's distinguished faculty. Students may begin almost every undergraduate program at Ambler. Depending on the major, students may take all their courses at Ambler. Popular majors that can be completed at Ambler include: Business, Community and Regional Planning, Criminal Justice, English, Elementary Education (Early Childhood and Special Education), History, Horticulture, Landscape Architecture, Nursing (for RNs), and Psychology.

Undergraduate courses include offerings from Temple's Core Curriculum and basic courses in Biology, Chemistry, Geology, and Physics. These enable Pre-Health Professions (Pre-Nursing and Pre-Health Information Management) students to complete the required first two years of prerequisite coursework. Pre-Medical, Pre-Dental, Pre-Pharmacy, Pre-Podiatry, Pre-Physical Therapy, or Pre-Occupational Therapy students may take courses at Ambler required for admission to a professional school. Nurses (RNs) may also complete the BSN entirely at Ambler. Pre-Law students may remain at Ambler for four years, pursuing degrees in Business, Community and Regional Planning, Social Sciences, or the Humanities. (See the [Degree Program Chart](#) for a listing of the programs that can be completed entirely at the Ambler campus.)

© 2007, Temple University. All rights reserved.
The campus is home to Temple’s Ambler College, which houses the Department of Landscape Architecture and Horticulture, the Department of Community and Regional Planning (B.S. and M.S. programs), and the Center for Sustainable Communities at Temple University Ambler.

The beautiful landscaped grounds, also known as the Landscape Arboretum of Temple University Ambler, feature formal gardens, a sustainable wetland garden, a green roof garden, an herb garden, wooded areas, a native plant propagation center, and much more.

For a change of pace and scenery, Ambler students can also take courses at Main Campus, Temple University Center City, or the Health Sciences Center. (See Bus Service below.) Temple also offers undergraduate courses at Bucks County Community College, providing another convenient site for Ambler students to take Temple courses.

After graduating, many Temple students continue their graduate work at the Temple University Fort Washington Graduate and Professional Center. See the "Off-Site Class Locations/Fort Washington” section below.

For more information about Ambler programs, please call 267-468-8000 or check the Temple University Ambler Web site at www.ambler.temple.edu.

Academic Awards and Standards at Ambler

See www.temple.edu/ambler/ac_services/scholarships.htm for additional details.

- **Ambler Collegial Assembly Awards for Distinguished Academic Achievement**: cash awards to Ambler campus students, graduating within the current academic year, who have cumulative grade point averages of at least 3.5, have their academic files at Ambler campus, have taken the majority of their coursework at Ambler, and have set an example of outstanding academic achievement for the Temple University Ambler community. Students must be nominated by an Ambler campus faculty member.

- **Ambler Collegial Assembly/Ambler Bookstore Award**: a cash award to an Ambler campus graduating student. See the criteria for the Ambler Collegial Assembly Awards.

- **Joseph R. Beltley Scholarship**: a $1,000 scholarship awarded to an Ambler campus Psychology major who has distinguished herself/himself through outstanding participation in community service.

- **Elizabeth Clarke Award for Conservation Education**: $1,500 annual award presented to a graduating senior intending to study, teach, or work in the discipline of conservation education; based on the student’s positive attitude and financial need.

- **Criminal Justice Scholar's Award**: $250 award given to an Ambler graduating senior in Criminal Justice who exhibits a passion for learning and outstanding academic achievement.

- **Gold Key Awards for Academic Excellence**: given to Ambler students in the sophomore, junior, and senior classes who have taken the greatest number of credits at the Ambler campus and have achieved the highest grade point average.

- **Norman J. Kaner Memorial Award**: established by the Temple University History Department and supported by family, faculty, and former students in honor of Norman J. Kaner, a member of the History Department from 1968 to 1993. This award is given to an Ambler graduating senior in history with the highest grade point average who best exemplifies the values of critical thought, social curiosity, and intellectual vigor that characterized Professor Kaner’s teaching and scholarship.

- **Arnold Raphaelson Scholarship**: given in honor of retired economics professor Dr. Arnold Raphaelson, this scholarship recognizes an Ambler campus economics major who demonstrates high academic achievement and financial need.

- **Robert J. Smith Scholarship**: for an Ambler campus education major: freshman, transfer, or student at any level in the undergraduate program. Student must demonstrate a previous commitment to urban communities, a desire to teach in urban school districts, and financial need. Scholarship is renewable for up to four years provided the recipient maintains a minimum grade point average of 3.0, remains enrolled in the undergraduate education program, and continues to demonstrate a commitment to teaching in urban communities.

- **Patricia A. Woods Memorial Fund Award**: a $400 award given annually to an undergraduate in the pre-health professions, who expresses the desire for advanced undergraduate study in allied health or post-graduate study in the health professions, with a cumulative grade point average of 3.5 or higher and a demonstrated commitment to the health professions through experience or service.

**Dean's List**: letters are received by students from the Dean of the college in which they are enrolled in accordance with the academic criteria for scholastic distinction established by their college or school. See Academic Policies and Regulations.

© 2007, Temple University. All rights reserved.
Academic Standards: Students may receive an academic warning, be placed on probation, or be dismissed from the University based on University standards. See Academic Policies and Regulations.

Support Services
Ambler campus is a full-service campus with an array of offices and services to assist students in achieving educational success. The services described below are tailored to the needs of Ambler campus students. For further information about support services provided at Ambler, please check the campus website (www.temple.edu/ambler/ac_services) and/or the corresponding sections in this Bulletin describing these services.

Academic Support Services

Academic Advising
Dedicated professional and faculty advisors at Ambler campus help students choose a program of study that is suited to their educational and career goals. While the students are ultimately responsible for knowing their academic status and requirements for their degree programs, advisors assist with information about program requirements and University policies and procedures. For transfer students, advisors can answer questions about transfer credit evaluations and determine whether these credits meet Temple program requirements.

- Office of Academic and Career Development
  West Hall 109
  267-468-8200
  tuaadvis@temple.edu
  www.temple.edu/ambler/advising
  This office coordinates academic advising at the Ambler campus.

- Academic Advising for the Fox School of Business and Management
  West Hall 112
  267-468-8350
  http://www.temple.edu/ambler/advising/fox.htm

- Academic Advising for Criminal Justice
  West Hall Lower Level 3
  267-468-8280
  www.temple.edu/cjus-ambler

Career Development Services
West Hall 109
267-468-8210
www.temple.edu/ambler/careerdev
Deciding on a major or profession can be a challenge. This office provides a full range of resources and expertise to assist students: counseling/advising, career library, résumé critique, career fair, mock interviews, and workshops. Students also can access SIGI, an interactive computerized career guidance program, which helps match your interests and skills to potential career choices. Externships, internships, and cooperative work experiences provide students with valuable hands-on learning experiences that can take them one step closer to their future careers. At Ambler, externships and other career opportunities are arranged through the Career Development Services office.

Center for Student Professional Development
West Hall 115
267-468-8354
http://sbm.temple.edu/cspd/
The Center for Student Professional Development (CSPD), part of the Fox School of Business and Management, coordinates all activities that support the ultimate goal of business students — choosing a meaningful and rewarding career. This annex is linked with the CSPD located in Speakman Hall 309, at Main Campus. The CSPD strongly urges students to become active members of student professional organizations.

Computer Centers
Ambler Campus Technology (ACT) Center
Computer Labs and Classrooms — Ambler Campus
267-468-8323

- Ambler Campus Technology (ACT) Center "Open" Lab including PC, Macintosh, and video-editing equipment (Learning Center 106)
- Ambler College Studio/Lab (Library 29)
- Community and Regional Planning Department CAD/GIS Lab/classroom (Library Building 25)
- PC Computer Classrooms (Learning Center 205, 206, 210, 305, 307, 308; Widener Hall 207)
- Landscape Architecture and Horticulture Department CAD and GIS Computer Studio/Lab (Dixon Hall 108)
- Landscape Architecture and Horticulture Department Senior Digital Design Studio (Dixon Hall 208)
- Macintosh Computer Classroom (Learning Center 201)
- Technology "Breakout" Room (Learning Center 115)
- Smart Classrooms (Widener Hall 108, 115, and 211; Bright Hall 206; Dixon Hall 101; Cottage Hall 5; and Learning Center 202, 203, 207, 208, 209, 302, 303, 306, 309, and 310)
- Video-conferencing room (Learning Center 301)
- Wireless Technology

Computer Labs and Classrooms — Temple University Fort Washington
267-468-8507

- PC Classrooms (Rooms 104 and 114 at 401 Commerce Drive and Room 5 at 425 Commerce Drive)
- "Open" Lab (Room 106 at 401 Commerce Drive)
- Videoconferencing Rooms (Rooms 1, 3, 4, 6, 13 and 19 at 425 Commerce Drive)
- Wireless Technology (at 401 Commerce Drive)

Disability Resources and Services
West Hall 109
267-468-8200
267-468-8262 (TDD)
www.temple.edu/ambler/ac_services/disability.htm
The Office of Academic and Career Development, in conjunction with Disability Resources and Services (division of Student Affairs), provides accommodations for students with disabilities at Temple University's Ambler and Fort Washington campuses.

Library
Library Building
267-468-8640
www.temple.edu/ambler/ac_services/library.htm
The Ambler Library supports the students and faculty with a collection of more than 96,000 books, current periodicals, microfilms, and maps, along with audiovisual materials. The Library is part of the Temple University Libraries and through the Diamond, the online catalog, and daily deliveries of materials requested via inter-library loan, the Ambler academic community is provided with convenient access to the collections of all of Temple's libraries. The Ambler Library is connected to the Scholar's Information Center network that supports online access to the Diamond Online Catalog, electronic databases for research, Internet resources, and the library skills tutorial, also known as the Temple Information Literacy Tutorial (TILT).

Mathematics-Science Center
(See Writing-Math-Science Center below)

Readmission/Reinstatement
West Hall Lower Level 11
267-468-8244

© 2007, Temple University. All rights reserved.
Matriculated students who have not attended Temple for one semester or more must contact this office for readmission/reinstatement procedures prior to registering.

**Tutorial Services**
West Hall 109  
267-468-8200  
[www.temple.edu/ambler/ac_services/tutoring.htm](http://www.temple.edu/ambler/ac_services/tutoring.htm)

Tutorial services are available during day and evening hours depending on tutor availability. A semester schedule of free departmental tutoring options is available in the offices of Academic and Career Development, the Fox School of Business and Management, Student Life, Widener Hall Faculty Offices, the Library Circulation Desk, East Residence Hall, and the Department of Landscape Architecture and Horticulture.

**Writing-Math-Science Center**
Learning Center 102  
267-468-8386  
[www.temple.edu/ambler/ac_services/tutoring.htm](http://www.temple.edu/ambler/ac_services/tutoring.htm)

Math-Science: Main Campus: 215-204-8466  
[www.temple.edu/MSRC/](http://www.temple.edu/MSRC/)

Writing: Main Campus Hotline: 215-204-0700  
[www.temple.edu/writingctr](http://www.temple.edu/writingctr)

The Writing-Math-Science Center helps with questions about all aspects of writing, mathematics, and the sciences. It assists with brainstorming and planning papers, reports, and projects, and offers tutoring in writing skills. This free service is open to all students.

**Other Services**

**Admissions**
West Hall  
267-468-8100  
ambler@temple.edu  
[www.temple.edu/ambler/admissions](http://www.temple.edu/ambler/admissions)

**Bookstore**
Bright Hall  
267-468-8460  
[http://www.temple.edu/ambler/about/facilities.htm#bookstore](http://www.temple.edu/ambler/about/facilities.htm#bookstore)

The bookstore provides textbooks and course materials required for classes. The Temple University Bookstore is an affiliate of Barnes & Noble College Bookstores, offering the services and conveniences of a great bookstore chain. The bookstore also carries general fiction and non-fiction books, reference texts, stationery items, Temple apparel, health and beauty aids, and other useful and convenient items.

**Bursar**
West Hall 101  
267-468-8250  
[www.temple.edu/ambler/ac_services/financial_aid.htm](http://www.temple.edu/ambler/ac_services/financial_aid.htm)

The Bursar's Office is available for students to process tuition payments, resolve billing questions, and purchase Diamond Dollars and parking hangtags. It also provides a personal check cashing service for residence hall students for checks of up to $50. Weekly payroll checks from Temple, Barnes and Noble, and Sodexho may also be cashed.

**Bus Service**
Bright Hall 101  
267-468-8425  
[www.temple.edu/facilities](http://www.temple.edu/facilities) (go to "Shuttle Service")

Temple University provides a free bus shuttle service on a regular schedule between the Ambler SEPTA station and the Ambler campus during the fall and spring semesters. There is also a fall and spring shuttle bus service between Temple Philadelphia area campuses for students with courses on more than one campus. Copies of the Schedule and Bus Regulations are available in the Office of Student Life.

**Copy Center**
Bright Hall 103  
267-468-8470
For high-quality duplicating of term papers and other documents, students may use the Temple University Ambler Copy Center. The staff offers quick turnaround, a variety of papers and services, and convenience. There is a modest charge for all duplicating services.

Health Services
Darwin Module
267-468-8490

The Health Services office allows students to drop in as needed to discuss health concerns with the RNs, who are certified in college health, and physicians. Brochures are available on a wide range of health topics. Services provided at Temple University Ambler include: General Medical Clinic, Allergy Clinic, Self-care Center, Psychiatric and Psychological Services (see below.) These services are available to all currently-enrolled students with a valid University I.D. Many services are free; some have discount charges for medication and treatment.

Off-Campus Housing
Bright Hall 101
267-468-8425

Students in search of a place to live off-campus have a resource they can turn to for help. Each semester the Office of Student Life publishes a housing guide, which lists apartments and houses to rent or share.

Parking
West Hall 101
267-468-8250

Parking is provided for both commuter and residential students. Special accommodations are available for students with disabilities. See the Bursar's Office for more details. Temple students must purchase a $65 hangtag/decal from the Bursar's Office for any vehicle they wish to park on campus lots. The permit is good for a full academic year through August 31. There is no daily charge to park.

Psychological Services
Darwin Module
267-468-8490

Free and confidential Psychological Counseling Services are available by appointment only. Emergencies and/or “walk-ins” are managed on the Main Campus at Tuttleman Counseling Services located in Sullivan Hall, Lower Level.

Student Financial Aid/Financial Services (Also see Bursar above.)
West Hall 103
267-468-8443

This office provides information and assistance regarding: registration procedures, enrollment verifications, transcript requests, photo identification cards, and Pennsylvania residency requirements.

© 2007, Temple University. All rights reserved.
Special Facilities and Programs

Athletic Facilities
www.temple.edu/ambler/campus_life/athletics.htm

Temple University Ambler is the full-time home for Temple's baseball, softball, and men's and women's soccer teams. The NCAA Division I teams practice and play all home games on new fields located on the tract bound by Meetinghouse Road, Butler Pike, and Woods Drive. All games and practices take place during the day. Admission is free to all home games. In Fall 2005, the Ambler campus unveiled the new Intercollegiate Athletics Field House. With the help of a $50,000 grant from PECO Energy, Temple University developed "green roof" structures on this athletics facility. A green roof is a living biological community of plants that provides an environmentally-sound alternative to a traditional roof system. The green roof garden allows for educational and research opportunities for students and faculty.

Auditorium
www.temple.edu/ambler/about/learningcenter.htm

The 300-seat Learning Center Auditorium, with smart technology and performance space, provides new opportunities to offer cultural, educational, and entertaining events for our students and the surrounding community. Ambler was once home to the Temple University Music Festival and institute. With the Learning Center's auditorium, Ambler has a new venue for the arts!

Center for Sustainable Communities (CSC) at Temple University Ambler
Jeffrey Featherstone, Ph.D., Director
West Hall, Second Floor
www.csc.temple.edu

The Center for Sustainable Communities develops and promotes new approaches for protecting and preserving quality of life through sustainable development, balancing the relationship between environmental integrity, economic prosperity, and social equity. It was designed to build on Temple University Ambler's strengths in horticulture, landscape architecture and planning and to draw upon the expertise of all Temple University faculty. A working resource for government agencies, community organizations, and developers, the Center provides objective information and services to improve decision-making relative to land use and water resources planning, in addition to conducting interdisciplinary research and offering educational and community outreach programs.

Criminal Justice Training Programs (CJTP)
Haines House
267-468-8604
www.temple.edu/ambler/about/facilities.htm#special

Criminal Justice Training Programs, a division of the Department of Criminal Justice, has conducted training for a variety of criminal justice agencies and occupations since 1968. Each year, more than 4,000 criminal justice professionals attend programs offered by CJTP, including police officers, deputy sheriffs, state constables, legislative security officers, and magisterial district court staff. Other activities include criminal justice continuing education programs for agencies allied to the criminal justice system, citizen, or community groups and the development of training curricula for various occupations. Students in any major who are completing their degree programs are eligible to attend the police academy in preparation for a career in law enforcement.

Greenhouse
267-468-8174
www.temple.edu/ambler/about/facilities.htm#special

The Greenhouse at Temple University Ambler provides students with a first-class facility to study plant and soil science. The energy-efficient greenhouse includes computerized climate controls and thermal blankets to protect the plants in the winter and shade them in the summer. Modern fertilizer injection systems water and fertilize plants simultaneously. In addition to being used for coursework, the Greenhouse provides faculty and students with a facility to conduct horticulture research that is at the forefront of the industry.

Infant Study Lab
Kathy Hirsh-Pasek, Ph.D., Co-Director
Nora Newcombe, Ph.D., Co-Director
Haines House
267-468-8610
infntlab@temple.edu
www.temple.edu/ambler/about/facilities.htm#special

The Temple University Ambler Infant Lab invites parents and their children to shape the future by participating in research at the frontiers of science. The Lab is directed by nationally-recognized child development authorities and professors Dr.
Kathy Hirsh-Pasek and Dr. Nora Newcombe. Faculty and staff provide fun-filled activities for infants and toddlers who become part of cutting-edge scientific discoveries. Parents learn more about their children’s first words and ability to create mental maps. At the Lab, infants and toddlers teach scientists new ways to optimize education and advance learning.

**Landscape Arboretum of Temple University Ambler**

Jenny Rose Carey, Director  
267-468-8400  
[www.temple.edu/ambler/arboretum](http://www.temple.edu/ambler/arboretum)

The Temple University Ambler campus has a long history and rich tradition of horticulture and landscape design. Established as the Pennsylvania School of Horticulture for Women in 1911, the 187-acre campus represents a unique mix of natural and designed landscapes. The gardens and campus serve as excellent outdoor teaching laboratories for numerous classes and as a source of inspiration for students, faculty, and visitors.

The Ambler campus was officially designated an arboretum in March 2000. Now known as The Landscape Arboretum of Temple University Ambler, it continues to develop as a living laboratory. As the home of Temple University's Department of Landscape Architecture and Horticulture, the Ambler campus has a myriad of learning gardens, including an herb garden, ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, sustainable wetland garden, trial garden, and large perennial borders. New gardens are under construction, including a winter contemplative garden featuring fragrant plants, a proposed dwarf conifer garden, and a healing garden.

**Learning Center**

[www.temple.edu/ambler/about/learningcenter.htm](http://www.temple.edu/ambler/about/learningcenter.htm)

The new 72,000-square-foot Learning Center opened in Fall 2006. With its smart classrooms, wireless technology, computer classrooms, and new auditorium, the Learning Center is the focal point for student learning at Ambler.

**Features:**

- 300-seat auditorium with smart technology and performance space.
- Café a la Carte, cyber café, and wireless lounges.
- 90-seat Ambler Campus Technology center with Help Desk
- Ten Smart Classrooms with interactive multimedia.
- Seven computer classrooms with the latest PC and Mac technology and software for all Temple programs.
- Studios for painting and drawing/drafting
- Student lounges on every floor.
- Video-conferencing room
- Writing-Math-Science Center with computer lab.

**Student Life**

**Leadership Awards at Ambler Campus**

For more information on leadership awards, contact the Office of Student Life.

The following awards are presented annually in April:

- **Alpha Chi Rho, Phi Kappa Chi chapter, Matthew Bythrow Memorial Book Scholarship:** to remember an Ambler Business student who died tragically in 2004, the chapter presents $200 annually to a student who exemplifies the five responsibilities of the Alpha Chi Rho fraternity: academic achievement, community service, financial need, leadership, and involvement in social activities.
- **Alpha Chi Rho, Phi Kappa Chi chapter, Jamie Dickson Memorial Scholarship:** $600 awarded by the Phi Kappa Chi chapter of the Alpha Chi Rho fraternity to a full-time student at the Ambler campus who embodies compassion and determination. The recipient is a sophomore, junior, senior or graduate student; must possess a minimum cumulative grade point average of 2.5; and must display involvement in extracurricular activities at Ambler, focusing on campus and community service. Preference is given to students majoring in Education.
- **Alpha Kappa Alpha Sorority, Phi Beta Omega Chapter, Book Award:** two $500 awards to sophomore, junior, or senior African American students with a minimum cumulative grade point average of 2.5 who have demonstrated involvement in extracurricular activities, focusing on campus and community service.
- **Ambler Campus Alumni Scholarship:** $250 to an Ambler campus student, in any year of study, with minimum grade point average of 3.0, involvement in extracurricular activities at Ambler, and financial need. Nominations must
be submitted by faculty or staff, and the candidate must submit a brief essay describing what the Ambler campus has meant to him/her and how he/she sees the campus affecting future Temple University students. The non-renewable scholarship must be used in the semester immediately following receipt.

- **Bob Sundermeier Award**: a $250 annual award to an undergraduate student, with a cumulative grade point average of at least 2.5, who, through participation in extracurricular activities involving leadership roles and campus service, demonstrates the characteristics of the friendliness, ingenuity, and dedication of the late Bob Sundermeier, a member of the Ambler Facilities management staff for many years.

- **Criminal Justice Leadership Award**: awarded to a graduating Criminal Justice major who has demonstrated academic excellence and an affinity for service to the Criminal Justice Department and the community.

- **Dean James Blackhurst Award**: named for James Blackhurst, Dean of the Ambler campus from 1984 to 1995, the award is presented to a student with a minimum cumulative grade point average of 2.5 for outstanding leadership and service at Ambler.

- **Dean's Leadership Award**: awards presented to graduating seniors. Recipients must have made outstanding contribution(s) to the Ambler campus community during their years at Temple, possess a minimum cumulative grade point average of 2.5, and demonstrate leadership qualities through academic, co-curricular, and/or other services.

- **The Louise Bush-Brown Good Citizenship Award**: presented to the female upperclassman of the Residence Hall who, in the opinion of her fellow residents, has been the most considerate, most tolerant, and most loyal and responsible in her devotion to the ideals of the University. The name of the winner is added to the bronze plaque hanging in East Hall residence.

- **Mary Wald Banking and Finance Award**: a $250 award given to a Temple University student who has a minimum grade point average of 2.75 and has made an outstanding contribution in the current school year to one of the Ambler campus Fox School of Business and Management student organizations.

- **Outstanding Freshman Award**: presented, when warranted, to a student who demonstrates leadership potential during the freshman year.

- **Outstanding Student Leader of the Year Award**: presented to the outstanding student leader of the current academic year.

- **Outstanding Student Organization of the Year Award**: presented to the one student organization that has been a “shining example” to other organizations during the academic year by sponsoring quality programs that showed innovation and hard work.

- **Russell Conwell Award**: sponsored by the Office of Student Life, this award is presented to a student or a student organization that has stepped outside their comfort zone to be involved in campus life.

- **Special Achievement Award**: presented to the student or organization for a specific program or service that has had an impact on the quality of life at Ambler campus in this academic year.

**Office of Student Life**
Bright Hall 101
267-468-8425
www.temple.edu/ambler/student_life
The Office of Student Life coordinates the New Student Orientation program, offering overnight orientation sessions for incoming freshmen and an online orientation for new transfer students. As part of this Orientation, academic advisors assist students with academic planning and registration.

For current students, this office supports and complements the University's academic mission by promoting social, cultural, educational and developmental programs for the students at Ambler. The Office provides opportunities through campus-wide programming and student organizations for students to develop special skills and interests, to interact regularly with other students, to plan and manage events, to participate in leadership training and self-governance, and to become involved in community service projects.

**Student Activities Office**
Bright Hall Lounge
267-468-8427
www.temple.edu/ambler/student_life/facilities.htm
Students may obtain information about student activities including the campus activities calendar, ticket sales for athletic and entertainment events, bus schedules, off-campus housing, and general campus information.

**Student Organizations**
Bright Hall 101
267-468-8425
www.temple.edu/ambler/student_life/studentorganizations.htm
There are about thirty student organizations on campus, including the A-Team, Alpha Chi Rho fraternity, Ambler

For information about student organizations in the Fox School of Business and Management, please refer to that section of the Bulletin.

**Student Government Association**
Bright Hall, 1st Floor
267-468-8429
[www.temple.edu/ambler/student_life/studentorg.htm](http://www.temple.edu/ambler/student_life/studentorg.htm)

The Ambler Student Government Association (ASGA) enables Ambler students to seek solutions to their concerns pertaining to all aspects of the campus by serving as a liaison between the student body and University administration.

**Campus Recreation**
Gymnasium
267-468-8151
Pool
267-468-8152
[www.temple.edu/ambler/campus_life/recreation.htm](http://www.temple.edu/ambler/campus_life/recreation.htm)

Recreational sports opportunities include intramurals, open recreation, aquatic programs, aerobics, and special events. A wide variety of activities are offered, ranging from structured, competitive leagues to self-directed fitness avenues. Facilities include an indoor/outdoor pool, a fitness room with both cardiovascular and free weight equipment, and basketball and tennis courts. Students may also participate in Main Campus recreational activities.

**Residence Hall**
267-468-8495
[www.temple.edu/ambler/student_life/housing.htm](http://www.temple.edu/ambler/student_life/housing.htm)

East Hall is a two-story traditional residence hall, with double rooms, shared bathroom areas, social lounge areas, study rooms, computer lab, kitchens with microwaves, fitness equipment, and recreational areas. The hall has 24-hour security and is staffed by professionals and paraprofessionals who create a positive living environment. The complex has its own Residence Hall Senate, which plans social and educational activities for residents. Meals and snacks are served in the campus Dining Center.

**Student Media**
Bright Hall, 1st Floor
Newspaper
267-468-8430
Radio Station
267-468-8416
[www.temple.edu/ambler/student_life/studentorg.htm](http://www.temple.edu/ambler/student_life/studentorg.htm)

The Temple Column (newspaper) and WRFT-AM 1610 AM (radio station) are managed and operated entirely by students. These organizations provide communications students with challenging opportunities to become involved in various aspects of mass media production such as marketing, advertising, and management for the Temple Column and/or WRFT. Students in all majors are welcomed and encouraged to participate.

**Off-Site Class Locations**
**Temple University Fort Washington**
401 and 425 Commerce Drive
Fort Washington, PA 19034
267-468-8500
[www.tufw.temple.edu](http://www.tufw.temple.edu)

The Temple University Fort Washington (TUFW) Graduate and Professional Education Center is the teaching site for most of
Temple University Ambler’s graduate programs. Located in the Fort Washington Office Park, the Center has about 750 attending students and features corporate-style classrooms, video conferencing rooms, and state-of-the-art computer labs. The Fort Washington Campus also facilitates a wireless infrastructure in five classrooms, two student lounges, and the vending area. Students may complete master's degrees in various graduate-level program areas.

The Office of Non-Credit and Special Programs, located at TUFW, provides seminars at the Graduate Center in professional development and computer applications for today's workforce. It also provides hundreds of non-credit programs at the Ambler and Fort Washington campuses throughout the year. From certificates in meeting and wedding planning, to digital photography, to trips to historical sites and museums, to summer education camps for young people, the non-credit courses are designed to enhance professional skills and enrich personal interests. Workshops are also available to prepare for the SAT, GMAT, LSAT, and GRE.

Temple University Fort Washington's LifeLong Learning Society is comprised of a series of courses offered in the daytime during the fall and spring semesters for adults over 55 years of age with an interest in furthering their education. These personal enrichment courses range from explorations of classical music to discussions of current events.

Bucks County Community College
Swamp Road
Newtown, PA
267-468-8248 (at Ambler)

Temple University offers undergraduate courses in Education and Nursing (for RNs) at Bucks County Community College. The partnership between the two schools enables Bucks students to continue their college education at a campus convenient to their home, enabling them to take courses toward their respective Temple bachelor's degree. Bucks students are welcome to attend Ambler's Transfer Tuesdays when information sessions are provided for transfer students.

Administration
For contact information or updates, go to www.temple.edu/ambler/about/directories.htm

James W. Hilty, Acting Dean, Ambler College; CEO, Temple University Ambler; Ph.D., University of Missouri
Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, B.Sc., Southampton University, England
Marylou Delizia, Director, Temple University Fort Washington Graduate and Professional Education Center; Director, Office of Non-Credit and Special Programs; M.Ed., Temple University
Jeffrey Featherstone, Director, Center for Sustainable Communities; Research Professor, Department of Community and Regional Planning, Ph.D., Temple University
Bonnie Frumer, Assistant Dean for Curriculum, M.A., Temple University
Deborah Howe, F.A.I.C.P., Chair and Professor, Department of Community and Regional Planning, Ph.D., University of Michigan
Susan Hyer, Associate Director, Computer Services, M.Ed., Beaver College (Arcadia University)
Saul Katzman, Director of Finance and Operations, B.B.A., Temple University
Wanda Lewis-Campbell, Assistant Dean for Student Life, Ed.D., Temple University
Linda M. Lowe, Director of Development and Alumni Affairs, B.A., Duquesne University
Mary E. Myers, R.L.A., A.S.L.A., Acting Chair and Associate Professor, Department of Landscape Architecture and Horticulture, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland
Sylvia Studenmund, Manager for Administration, M.Ed., Temple University
Lolly Tai, Senior Associate Dean, Professor of Landscape Architecture, Ph.D., Heriot-Watt University, Edinburgh College of Art, R.L.A., F.A.S.L.A.
Cory Thomas, Director of Enrollment Services and Marketing, M.C.P., University of Cincinnati
Sandra Thompson, Acting Suburban Campus Libraries Head, M.L.S., Drexel University

Staff
Amy Alderson, Marketing and Special Events Coordinator, M.A. in Education, La Salle University
Michael Bavas, Senior Technical Support Specialist, Computer Services, M.I.S., Kennedy Western University
Crisbal Baez, Administrative Assistant, Dean's Office, B.B.A., Temple University
Rachel Berger, Marketing and Special Events Coordinator, B.A., Temple University
Marie Brasch, Administrative Assistant and Meeting Coordinator, Temple University Fort Washington
Jennifer Carroll, Admissions Counselor, B.A., Howard University
Wayne Chapman, Resident Director, M.A., Indiana University of Pennsylvania
Diego Civello, Academy Director, Temple University Police Academy
James Duffy, Public Relations and Web Site Coordinator, B.A., The Pennsylvania State University
Christopher Fitzgerald, Manager, Barnes and Noble Bookstore, B.S., Lock Haven University of Pennsylvania
Rhonda E. Geyer, Director, Non-Credit Programs, B.A., Mansfield University
Karen Grow, Media Coordinator of Instructional Support Services, B.A., Virginia Polytechnic Institute and State University
Suzanne Henderson, Coordinator, Student Activities, Ph.D., Temple University
David Kaiser, Director of Enrollment Management, Fox School of Business and Management, B.A., Temple University
Patricia Kelly, Schedule Manager, B.A., College of William and Mary
Debbie Korman, Director of Food Services for Sodexho, B.S., The Pennsylvania State University
Barbara M. Leopold, Assistant Director, Financial Aid, B.A., Temple University
Irene Lojeski, Assistant Director of Student Services-Academic Services and Administration, M.Ed., Temple University
Sonia Medina, Office Manager, Student Services
Paul Mers, Recreation Specialist, M.Ed., East Carolina University
Joan O'Connell, Librarian, M.L.S., Clarion University of Pennsylvania
Rachel Oliver, Assistant Director of Enrollment Services, B.A., Temple University
Larry O'Reilly, Senior Technical Support Specialist, Computer Services, Temple University Fort Washington, B.A., Temple University
Reid Overturf, Senior Technical Support Specialist, Computer Services
Linda Palmarozza, Department Manager, Department of Landscape Architecture and Horticulture, B.A., Rutgers, The State University of New Jersey
Maleeka Scott, Data Coordinator, Admissions, B.B.A., Temple University
Susan E. Spinella, Assistant Director, Center for Sustainable Communities, M.S., Temple University
Greg Szczepanek, Senior Technical Support Specialist, Computer Services, Instructional Support Center, M.A., Temple University
Lorraine Warner, Administrative Coordinator, Fox School of Business and Management
Karen Watts, Horticulture Technician Supervisor, B.S., Temple University
Brent Whiting, Senior Technical Support Specialist, Computer Services, Department of Landscape Architecture and Horticulture, B.S., Temple University
Michelle Whiting, Administrative Specialist, Office of the Dean
Holly Beth Wilson, Librarian, M.L.I.S., Drexel University
Andrea Yannella, Administrator, Department of Community and Regional Planning, B.F.A., Temple University

Program Coordinators/Advisors
(See the Ambler College section of this Bulletin for a listing of faculty advisors in the Departments of Community and Regional Planning and Landscape Architecture and Horticulture.)
Richard Burke, Psychology Advisor, Professor Emeritus of Psychology, Ph.D., University of Wisconsin
Harriet Butterfield, Academic Advisor, Fox School of Business and Management, B.A., Temple University
Lucille D’Emilio-Wilkinson, Academic Advisor, M.A., La Salle University
Lisa Fell, Academic Advisor for Liberal Arts, M.S.S.W., University Wisconsin-Madison; M.A, University of Michigan, Ann Arbor
Harriet P. Freidenreich, Coordinator of History, Ph.D., Columbia University
Scott Gratson, Program Director for the Communications Major, Ph.D., University of Denver
Leonard O. Greenfield, Coordinator of Anthropology, Ph.D., University of Michigan
Michael Hooper, Coordinator of Political Science, Ph.D., University of Illinois
Barbara Hughes, Director, RN-BSN Program, R.N., M.S.N., University of Pennsylvania
Cheryl Irons-Guyunn, Coordinator of Criminal Justice, J.D., Temple University
Wendy Lebing, Assistant Dean, QA/RA Program, M.A.L.D., Tufts University; M.S., Temple University
Cheryl Leeser, Academic Advisor, M.A., Immaculata College
Mia K. Luehrmann-Cowan, Associate Dean for the Sciences at Ambler, College of Science and Technology, Ph.D., University of Illinois, Urbana
Kathryn Hirsh-Pasek, Co-Director, Infant Lab, Ph.D., University of Pennsylvania
Robert Mason, Director, Environmental Studies, Ph.D., Rutgers, The State University of New Jersey
Susan McCaffrey, Assistant Director of Student Services-Academic Advising, Disability Resources and Services Coordinator, M.S., Western Maryland College
William D. Nathan, Director of Mathematics, Ph.D., Syracuse University
Nora Newcombe, Coordinator of Psychology, Co-Director, Infant Lab, Ph.D., Harvard University
Diana Pazicky, Coordinator of English, Ph.D., Temple University
Melinda Pierce, Career Coordinator, M.A., West Chester University of Pennsylvania
Stephanie Schull, Coordinator of Intellectual Heritage for Ambler and Tyler, Ph. D., The State University of New York at Stony Brook
Deborah Shank, Nursing Advisor, College of Health Professions, M.S.N., Boston University
Jane Slotterback, Advising Coordinator, School of Communications and Theater, M.Ed., Temple University
Robert L. Stafford, Department of Computer and Information Sciences, Ph. D., Yale University
John Sorrentino, Coordinator of Economics, Associate Professor, Ph.D., Purdue University
Rani Thiramongkol, M.B.A. Advisor, Fox School of Business and Management, Ph.D., Oklahoma State University
Janine C. Warnas, Academic Advisor, M.S., Gwynedd-Mercy College

© 2007, Temple University. All rights reserved.
Located just across the street from City Hall and surrounded by the home offices of major national corporations, Temple University Center City offers an outstanding selection of undergraduate and graduate courses and full degree programs in the evening, as well as stimulating non-credit workshops and seminars during the day, in the evening, and on weekends.

**Administration**

William E. Parshall, M.P.A., Director
William H. Schreiber, M.A., Associate Director

**Credit Programs**

Most of Temple University’s schools and colleges offer courses at TUCC. It is possible to complete the following undergraduate degree programs at TUCC in the evening:

- Accounting
- Business Management-Marketing Concentration
- Economics
- English
- History

**Student Services**

**Hours of Operation**

During the semester the TUCC administration office (suite 215) is open 8:30 a.m. to 8:00 p.m. Monday through Thursday, and 8:30 a.m. to 5:00 p.m. on Friday. When Temple University is not in session, please call 215-204-TUCC for hours.

**Academic Advising and Registration**

TUCC’s Advising Coordinator can give you the information and support you need to succeed. Office hours are scheduled into the evening so that you can make an appointment during your lunch hour or after work. You can also discuss transfer options and career-related topics. Call 215-204-4358 for information or an appointment. If you are admitted to a degree program, you must be advised by a representative of your school or college. If you are a student in the College of Liberal Arts, send an e-mail message to prob@temple.edu and specify that you want a TUCC appointment. If you are a student in the Fox School of Business (FSB), use the FSB Online Appointment System, accessed through Blackboard-Fox Advising. Specify that you want an appointment at TUCC.

**The Bookstore**

The Bookstore is located on the third floor. In addition to textbooks, it offers magazines, school supplies, light snacks, soft drinks, and Temple merchandise. Call 215-204-1514 for more information about specific items or store hours.

**Career Advising**

TUCC’s Advising Coordinator can help you with career-related information. You can obtain information regarding your options and help to get you going in the direction that is right for you. Call 215-204-4358 for an appointment.

**Cash Operations**

A Cash Operations representative is available on the ground floor to process payments for tuition and fees. It is possible to pay by cash, check, or money order. MasterCard, Discover, and American Express credit cards are accepted only over the web. A convenience fee will be charged when paying with a credit card. Call 215-204-1175 for more information or hours of operation.
Computer and Media Services Center
Using a computer or accessing library information is as easy as a trip to the Computer and Media Services Center located on the fourth floor. The staff will assist you in using mainframe and personal computers or in conducting library research in the Scholars Information Center (SIC). It is also possible to establish an e-mail account, obtain language tapes, and reserve audio-visual materials through the Center. Faculty can place books and articles on semester reserve. Call 215-204-1521 for more information about available resources or hours of operation.

Student Photo ID Cards
Students registering for the first time can have a photo ID card made in the TUCC administration office (suite 215). Call 215-204-TUCC for more information or hours of operation. Students who have lost their Photo ID Card can obtain a replacement card for a $10 fee.

Parking
As a service to our students, TUCC has negotiated parking discounts with Central Parking at two of its locations. TUCC has no business relationship with these garages and does not play any role in making their policies. In order to receive the discount, students must have their parking ticket validated and show proof of Temple affiliation, if asked. The validation and list of participating garages are available at the security desk in the ground floor lobby area. A list of participating garages is also available on the TUCC website.

Facilities
The TUCC campus occupies six floors at 1515 Market Street. All together there are over 60 classrooms, conference rooms, and computer classrooms.

Conference Facilities
Located in the heart of downtown Philadelphia close to restaurants, shopping, and entertainment, TUCC's conference center provides ideal meeting space for 10 to 100 people. Flexible room configurations with customized set-ups let you plan educational activities and meetings for large and small groups. State-of-the-art presentation equipment and Internet connectivity are available. Call 215-204-4357 for more information.

Copy Machine
A copy machine for student use is available in the café area on the fourth floor. It accepts both Diamond Dollars and cash. Call 215-204-7271 if there is a problem with the machine.

Information Kiosks
An information kiosk, located in Suite 215, allows you to obtain information from Temple websites. Currently enrolled matriculated students can use the OWLnet site to access records and process registration and payment transactions.

Lounges and Café areas
Lounges and café areas are located on all floors and provide a good place to relax or study.

Coffee and Refreshments
A snack bar in the lounge area on the sixth floor offers fresh-brewed coffee, soft drinks, sandwiches, salads, and a variety of light foods and snacks.

Public Pay Telephone
A public pay telephone is located in the lounge area on the second floor.

TTY
A TTY (text telephone) machine (215-204-1900) is available on the second floor for staff and student use.

Vending Machines
Vending machines are located in the lounge areas on the second and sixth floors, and in the café areas on the third, fourth, and fifth floors. Call 215-204-7271 if there is a problem with the machines.
Internet Access
Wireless Internet access is available throughout the TUCC campus. In addition, Ethernet connections and power outlets are located around the perimeter of all lounge and café areas. Please note that you must first register the machine address code (MAC) of your laptop with Computer and Media Services before you can take advantage of this service. For more information, contact Computer and Media Services, 215-204-1521.

Non-Credit Programs
The following constitute non-credit programs at TUCC. For detailed information on these programs, see the Special Programs section of this Bulletin.

The Business Agenda
Non-credit career and professional development training. Call 215-204-4335 for more information.

Institute for Continuing Studies
Non-credit personal enrichment programs. Call 215-204-6946 for more information.

Real Estate Institute
Non-credit real estate programs for professionals and consumers. Call 215-204-1530 for more information.

Music Prep
Dynamic non-credit music and dance programs for infants through adults. Call 215-204-1512 for more information.

Temple Association for Retired Persons
TARP is a membership organization that offers non-credit learning and enrichment programs for retirees. Call 215-204-1505 for more information.

Temple University Harrisburg

Link Martin, M.S.W.
Director
Temple University
234 Strawberry Square
Harrisburg, PA 17101
717-232-6400
www.temple.edu/harrisburg

Kathleen Kramer
Assistant Director
Temple University
234 Strawberry Square
Harrisburg, PA 17101
717-232-6400

Temple University Harrisburg (TUH) is a satellite of Temple University in Philadelphia, offering graduate programs and some undergraduate courses designed for the adult learner. TUH currently offers graduate degree programs in Educational Administration, Educational Psychology, Business Administration, Community & Regional Planning and Social Work. Principal, Superintendent, and Supervisory Certification programs are also available.

Temple University Harrisburg is located in the heart of downtown Harrisburg, the home of Pennsylvania’s state government and capitol. Additionally, the campus is conveniently located within the Strawberry Square complex, close to many state associations and businesses.

For further information, please see the TUH website at the following web address: www.temple.edu/harrisburg.

© 2007, Temple University. All rights reserved.
Temple University Health Sciences Center

3307 N. Broad Street
Philadelphia, PA 19140-5101
Phone: 215-707-4800
Fax: 215-707-7819
E-mail: chp@temple.edu

Programs and services of the School of Medicine, the Maurice H. Kornberg School of Dentistry, the School of Pharmacy, the College of Health Professions, and Temple University Hospital are at the Health Sciences Center. Buildings and facilities, covering some 20 acres, extend to either side of North Broad Street from Allegheny Avenue to above Tioga Street. Public transportation to the campus includes the "C" bus on Broad Street, the Broad Street subway (Allegheny stop to the south, Erie stop to the north); the North Broad and the North Philadelphia stations of the Regional High-Speed transit lines are between the Health Sciences Center and Main Campus.

The Maurice H. Kornberg School of Dentistry is located at 3223 North Broad Street. The College of Health Professions’ lecture rooms and laboratory and the School of Pharmacy are located at 3307 N. Broad Street. The College of Health Professions’ Dean’s office and department offices are located in Jones Hall.

Many of the facilities of the School of Medicine, including the Medical School Library and Temple University Hospital, are located on North Broad Street between Ontario and Tioga Streets. The Student Faculty Conference Center, on the southwest corner of Broad and Ontario Streets, provides a wide range of facilities, services, and educational programs. The Office of Student Activities provides educational, recreational, and auxiliary services, coordinates lounges and study areas, recreation classes, ping pong, pinball machines, basketball and volleyball intramurals, tennis, popular films, a cafeteria, art gallery, and seminars. The lower basement contains racquetball courts, weight rooms, and complete locker room facilities with saunas. The fourth floor houses a full continuing education and conference center. For more information, call 215-707-4017.

The School of Podiatric Medicine, part of the Health Sciences Center, is located at 8th and Race Streets.

Each of the schools and colleges located at the Health Sciences Center offers student and academic services. For a specific program or service of the undergraduate schools, refer to the appropriate section of this Bulletin, or inquire at the Office of the Dean. For information about the schools of Medicine and Dentistry, contact their respective Dean's offices.

Housing and Dining Options
Residential housing is provided on the Main Campus and is accessible by a Temple University shuttle bus or convenient public transportation. Dining options are available at the Student Faculty Conference Center, the Hospital cafeteria, and the Main Campus dining centers.

Contact information
Temple University College of Health Professions
3307 North Broad Street
Philadelphia, PA 19140
Ronald T. Brown, Ph.D., Dean
215-707-4800
www.temple.edu/chp

Maurice H. Kornberg School of Dentistry
3223 North Broad Street
Philadelphia, PA 19140
Martin F. Tansy, Ph.D., Dean
215-707-2803
www.temple.edu/dentistry

Temple University School of Medicine
3420 North Broad Street
Philadelphia, PA 19140
John M. Daly, M.D., F.A.C.S., Dean
215-707-7000

© 2007, Temple University. All rights reserved.
The Tyler School of Art B.F.A. and M.F.A. programs provide a comprehensive curriculum in the visual arts on both the undergraduate and graduate levels. Professional programs are offered in Ceramics and Glass, Fibers and Fabric Design, Graphic and Interactive Design, Metals/Jewelry/CAD-CAM, Painting, Photography, Printmaking, and Sculpture. Summer classes and weekend workshops are available. In addition to the studio component, the University Core Curriculum requirements necessary for the B.F.A. Degree are offered on the Tyler Elkins Park Campus. Tyler students may elect to fulfill some of the core requirements on one of Temple's other campuses.

Tyler also offers the following programs on the main campus of Temple University: B.Arch. and B.S. in Architecture, B.A. in Art, B.A. in Art History, B.S. in Art Education. For more information on these programs, please go to the Tyler School of Art section in this Bulletin or to the Tyler website listed above.

The Campus
The campus, located on a 14-acre estate in suburban Elkins Park, offers a diverse and active schedule of events.

Tyler's small size offers many opportunities for interaction with faculty members and other students. In addition to the close-knit community of faculty and students, Tyler boasts excellent studio facilities, a large art library, and exhibition spaces. There is an extensive program of visiting lecturers and artists throughout the year. Films, demonstrations, gallery openings, and social events provide a stimulating environment outside the classroom where students may meet to discuss work and make contact with professional artists.
Tyler is conveniently located near public transportation, allowing easy access to Center City Philadelphia, which enables students to participate in the many activities a metropolitan area has to offer them. The Student Van Service provides safe, free travel within a 2.5-mile radius of the campus. The service operates Monday through Friday from 7:00 p.m. to 12:00 a.m. It provides a safe means of transportation from the campus to SEPTA rail and transit stations or to students' local residences.

Tyler's Elkins Park Campus is also on the Temple University Shuttle Bus route, which provides free transportation to students between the Ambler, Tyler Elkins Park and Main campuses. Daily shuttle bus service is available during the fall and spring semesters. For a copy of the shuttle schedule, call 215-204-2200.

Parking
All B.F.A. students are allowed and, therefore, are expected to park on the Tyler Elkins Park Campus while attending school. Although there is no daily charge for parking facilities, a yearly parking decal is required at a nominal fee. Both the Cheltenham Township and Temple University strictly prohibit illegal parking in fire zones or handicapped spaces. Vehicles will be towed. A copy of the parking policy may be obtained at the Student Services/Activities Office.

Residence Halls
Beech Hall, the dormitory located on the Tyler campus, is a three-story facility that houses 150 residents. It has shared double (and a few triple) rooms and common bathroom areas, a recreation and fitness center, a computer lab, a lounge with a large screen television, 24-hour work studios, and laundry facilities. The Residential Life Staff work in conjunction with a student governing board to create a positive community living environment through social, cultural, and educational activities. Students who live in Beech Hall Residence participate in a campus meal plan/declining balance program. The meal plan can be used at any of the Temple University Dining Halls and the declining balance can be used at Tyler's Starving Artist Cafeteria/Vendeteria among other participating restaurants and snack bars on Temple's campuses. Dining facilities are located in the lower level of Beech Hall Residence and serve three meals on weekdays and two on weekends.

Health Services
A well-equipped dispensary on campus, which offers a variety of services and art hazards information, operates in Penrose 001. It is staffed part-time with a registered nurse, a physician and a counselor. Information about dispensary hours or any other health-related issue can be found by calling 215-782-2825

Student Life
Student Life, located on the third floor of Tyler Hall, handles most of the non-academic, extracurricular activities including: entertainment, assisting and developing student organizations, off-campus jobs and housing, museum bus trips, and the production of student publications.

Student Organizations
(see Tyler School of Art section in this Bulletin.)

Special Facilities
Local and national exhibitions that demonstrate vital movements in contemporary art are scheduled in Tyler Gallery on campus and the Temple Gallery in Old City Philadelphia. The openings for these shows allow students the opportunity to meet and talk with the artists. The student-run gallery on campus provides a continual showcase of student work. Call 215-204-8982 for more information.

The Elkins Park campus also houses the Barnes and Nobles Elkins Park campus bookstore (which also sells art supplies), a Bursar's Office (for payment of bills), the Starving Artist Cafeteria/Vendeteria, the Student Computer Center (located in the Penrose Hall Library), the Office of Student Financial Services, the Tyler Library, the Tyler Slide Library, and the Office of Registration and Records.

© 2007, Temple University. All rights reserved.
Tyler Important Contact Information

Academic Advising
207 Tyler Hall
215-782-2780

Admissions Office
104 Admissions/Student Services Building
215-782-2875
tylerart@temple.edu

Associate Dean’s Office
200 Tyler Hall
215-782-2718

Beech Hall Residence Director
215-782-2866

Bookstore
007 Penrose Hall
215-782-2819

Business Office
210 Tyler Hall
215-782-2751

Bursar
107 Tyler Hall
215-782-2751

Exhibitions
303 Tyler Hall
215-782-2776

Health Services
001 Penrose Hall
215-782-2825

Library & Student Computer Center
111 Penrose Hall
215-782-2849

Registration and Records
201 Tyler Hall
215-782-2751

Security Office
100 Presidents Hall
215-782-2800 or 215-204-1234

Slide Library
109 Penrose Hall
215-782-2848

Student Life
305 Tyler Hall
215-782-2883

Student Financial Services
300 Tyler Hall
215-782-2769

General Admissions Information

Temple University
Office of Undergraduate Admissions
Conwell Hall, First Floor
1801 N. Broad Street
Philadelphia, PA, 19122
phone: 215-204-7200
toll free: 888-340-2222
fax: 215-204-5694
tuadm@temple.edu
www.temple.edu/undergrad

© 2007, Temple University. All rights reserved.
The Office of Undergraduate Admissions processes all undergraduate applications for admission to all campuses of Temple University. Applications are reviewed on a rolling basis, and candidates are usually notified of decisions four to six weeks after receipt of a completed application.

The website to apply online is www.temple.edu/undergrad/applying.html.

Students must submit all application materials to the Office of Undergraduate Admissions by the stated deadlines at the undergraduate application website. Applications received after these dates will be considered on a space available basis. The admission application fee is $25.00 for an on-line application and $50.00 for a paper application. The renewal paper application fee is $10.00.

**Special Requirements for Admission**
The following programs have additional requirements for admission: the College of Health Professions (Nursing and Health Information Management transfers only), Dance, Music, and the Tyler School of Art. Refer to the individual program description for the details on these special requirements. Adult applicants also have special requirements.

**Tuition and Residence Hall Deposits**
All students admitted to the University must pay a nonrefundable tuition deposit of $150 in order to reserve a place in the incoming class. In addition, students who wish to live in the residence halls must pay a housing deposit of $250.

**Applying for Readmission**
For further information, see Academic Policy 02.10.11 at http://policies.temple.edu/getdoc.asp?policy_no=02.10.11.

Also see the Readmission Policy in the Academic Policies and Regulations section of each School or College. Readmission to Temple University undergraduate programs is through the School or College that you last attended.

**Freshmen**

**Diploma and Required High School Credits**
The University requires that students hold a diploma from an accredited high school with the following recommended distribution of courses:

<table>
<thead>
<tr>
<th>Subject field</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics, college preparatory</td>
<td>4</td>
</tr>
<tr>
<td>Foreign language (same language/culture)</td>
<td>2</td>
</tr>
<tr>
<td>History/Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>Science (2 years lab)</td>
<td>3</td>
</tr>
<tr>
<td>The Arts</td>
<td>1</td>
</tr>
<tr>
<td>Other college preparatory courses</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Students are required to have earned a minimum of 16 units in academic subjects from the above chart. Students 18 years of age and older may submit a high school equivalency diploma earned through the General Education Development Test and the high school transcript for all grades completed.

**College Entrance Examinations**
Temple requires one of the following tests for college entrance:

- Scholastic Aptitude Test of the College Entrance Examination Board, Box 592, Princeton, NJ 08540
- American College Test of the American College Testing Program, Box 168, Iowa City, IA 52250

Temple suggests that students take either test in the spring of their junior year, as well as in the fall of their senior year. Results should be forwarded directly to the Office of Undergraduate Admissions. SAT or ACT scores are recommended but not required of applicants 22 years of age or older.
**Entering with Academic Credit: Advanced Placement**

Temple awards college credits to students who in high school participated in the Advanced Placement program sponsored by the College Examination Board as follows:

- Art History, Chemistry, English (Language and Literature), History (American, European and World), Latin (Vergil and Literature), Physics, Political Science (Comparative Government and U.S. Government) -- Minimum score of 4
- Other subjects -- Minimum score of 3
- Students who receive the minimum score in the English Advanced Placement test will receive English elective credit, not Composition credit.

Students should have taken these tests in high school and should have their scores sent directly to the Office of Undergraduate Admissions. Transfer students must request Educational Testing Services to send their Advanced Placement Test scores to the Office of Undergraduate Admissions, even if they have requested them for a previously attended college.

Advanced Placement equivalencies will be reviewed annually and are subject to change. Students will receive the equivalency that is in effect at Temple at the time of their matriculation.

If credit is awarded, a student's university record will carry notation of credit, but no grade will be recorded. Credit awarded will not affect a student's grade-point average at Temple University.

Limitations on credit earned through the Advanced Placement Examinations are as follows: (1) the credit must be useful in a student's program of study; (2) duplicate credit in the same course is not awarded in any case.

Advanced Placement credits can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university.

**Placement Testing**

Most newly admitted students are required to take placement tests upon admission to Temple. These tests are designed to help assess mastery of certain basic skills, to point out particular strengths and weaknesses, and to assist in designing a program of study for the student. Placement tests are offered in English, Mathematics, and Foreign Languages.

For more information about placement testing, sample questions, and news about changes in placement tests, visit the placement testing page on the Measurement and Research Center website ([www.temple.edu/marc/placements.html](http://www.temple.edu/marc/placements.html)).

- All incoming freshmen must take Placement Tests prior to their first semester, including English, Mathematics, and Foreign Language (if a student has previously studied a language).
- Transfer students who are transferring a credit-bearing, college-level course in Mathematics/Writing/Foreign Language are not required to take the Mathematics/Writing/Foreign Language Placement Examination. (Please note that certain majors have prerequisites and require placement testing.)

New students receive a booklet (*Student Planner*) that contains descriptions of the tests and information as to the specific tests the student must take. Students are referred to the New Student Orientation ([www.temple.edu/orientation](http://www.temple.edu/orientation)) and MARC ([www.temple.edu/marc](http://www.temple.edu/marc)) websites, which contain descriptions of the tests, helpful hints for the test day, and sample items. The components of the tests, advising guidelines, and retest policies are outlined below.

**Demographic Data Survey** (25 minutes). This is a personal data collection survey that must be completed by all students. Temple uses the results of this questionnaire to develop programs and procedures to serve the needs and interests of its students.

**English Placement Examination** (135 minutes). This test is required for all freshmen and for transfer students who are not transferring a credit-bearing, college-level writing course. The English Placement Examination consists of an essay and a multiple choice component. The multiple choice test scores are used in conjunction with the student's SAT verbal score and high school percentile to develop a base score. The essay score and the base score are then combined to determine the appropriate English course placement (English 0701/0711, English 1002/1012, or exempt).

**Mathematics Placement Examination** (75 minutes). This multiple-choice test is required for all freshmen and for transfer students who are not transferring a credit-bearing, college-level Math course. In addition, any student who is considering taking a higher-level Math course should take the Mathematics Placement Examination.
Advisors have information concerning conditions under which a student may retest.

**Foreign Language Placement Examination** (60 minutes). This test is required 1) for freshmen who have previously studied a foreign language and 2) for transfer students who have previously studied a foreign language, but are not transferring a credit-bearing, college-level foreign language course. In addition, any student who has previously studied a foreign language and either has questions about his/her readiness to take additional courses in that language, wants to try to qualify to take an upper-level course, or wants to be exempted from additional foreign language requirements should take the Foreign Language Placement Examination.

Tests are offered in French, German, Modern Greek, Italian, and Spanish. Each is a multiple choice test and consists of approximately 90 items. If a student has previously studied another foreign language (other than French, German, Modern Greek, Italian, or Spanish) and wishes to be tested in that language, it may be possible to arrange testing. The Vice Provost for Undergraduate Studies website (www.temple.edu/vpus/forms/index.htm) has a Foreign Language Waiver Form and Procedures for Applying for a Foreign Language Waiver (Group 2 or Group 3 Languages).

Students who wish to be tested in a language other than these, or whose first language is not English, should contact their advisor.

Advisors may request that a student retest if there is strong evidence (e.g., good grades in foreign language courses, intensive study abroad, etc.) that the student's test performance was not typical.

**Orientation for New Students**

Following admission to the University and payment of the tuition deposit, students will receive information regarding their orientation requirements. See the Office of Orientation website at www.temple.edu/orientation/ for further information.

**Immunizations**

See Student Health and Wellness under Student Services for required immunizations.

**Transfer Students**

**Transfer Admissions**

Applicants who wish to be considered for transfer admission must have maintained at least a 2.50 grade point average in 15 or more transferable credits at an accredited two- or four-year institution of higher education for consideration, although this is no guarantee of admission. Temple requires the same high school units of transfer students as of freshmen.

Applicants must submit official transcripts from high schools and each college previously attended. The University defines "official transcript" as that which is sent directly from a high school or college to Temple's Office of Undergraduate Admissions. Ordinarily, SAT or ACT scores are not required unless specifically requested by the Admissions Office.

An evaluation showing accepted transfer credits and a list of Temple course equivalencies are sent to students who are admitted. Evaluations are based on the majors students indicate on their applications. The Temple school/college in which they enroll will make the final determination of which transfer credits are applicable to the degree.

**Transfer Credit**

Temple University accepts all college-level liberal arts courses beyond the developmental level. These courses must have been completed with a grade of C- or better. Transfer students receive credit from all colleges and universities accredited by the appropriate commission of one of the regional accrediting Associations (Middle States, Northwest, North Central, Southern, Western, and the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges). Temple does not award credit for courses from institutions accredited by the Commission on Technical and Career Institutions of the New England Association or from any university, college, school, institute, or program accredited only by a national, professional, or specialized accrediting body. Whenever possible, credit is allowed for courses completed more than 10 years before the date of admission.

Evaluation of transfer credits is based on a student's major, and the student's Temple school/college makes the final determination of which transfer credits are applicable to the student's degree program. Transfer evaluations may change for students who change majors.
To earn a degree from Temple, students must complete at least 30 hours of the last 45 semester hours as a matriculated student at Temple, fulfill all university requirements, and fulfill all of the degree requirements of the Temple college or school in which they are enrolled, as approved by the dean of that school. See Academic Residency in the Academic Policies and Regulations section of the Bulletin.

To graduate from Temple with Honors, students must complete at least their last 60 hours toward their degrees in residence as matriculated students at Temple University. See Honors in the Academic Policies and Regulations section of the Bulletin.

Advanced Placement and College Level Examination Program (CLEP) credits, and courses taken as a non-matriculated student at Temple, are posted on a student's record as transfer credit, but do not always count as transfer credits for determining a student's eligibility for the 45+ Transfer University Core. See 45+ Transfer University Core in the Academic Programs section of the Bulletin.

The number of credits that students can transfer from another institution (two- and four-year) depends on their declared Temple major.

**Credit for Academic and Prior Learning Experience**

Some schools and colleges at Temple grant limited credit to qualified students for relevant experience in academic, employment, and life situations. See the Academic Policies and Regulations section of the Bulletin for further information.

**The College-Level Examination Program (CLEP)**

Incoming students can also gain credits through the College Level Examination Program tests. See the Academic Policies and Regulations section of the Bulletin for the list of accepted CLEP tests and the Temple course equivalencies.

**Dual Admissions**

To better encourage and facilitate transfer admission from other colleges to Temple University, Temple and these colleges have established articulation agreements with one another.

Dual Admissions agreements conditionally admit students to Temple at the same time they are admitted to a community college, and provide merit scholarships to Temple for those students. Students at five area community colleges (Bucks County, Delaware County, Montgomery County, Community College of Philadelphia, and Harrisburg Area Community College) may enroll in the Dual Admissions program before attaining 30 transferable credits. Students are then conditionally admitted to Temple upon attaining their associate's degrees at the community college.

**Program Articulation Agreements**

These agreements between Temple schools and/or academic departments and other two-year institutions provide accurate curricular information for prospective transfer students and their academic advisors by lining up associate degree requirements and baccalaureate requirement. They indicate which courses students should take during their associate program in order to be prepared for the Temple baccalaureate program into which they wish to transfer. See Articulation Agreements at www.temple.edu/vpus/ucc/core_transfers.htm for lists of agreements currently in effect.

**Transfer Students and the University Core Curriculum**

Every Temple undergraduate fulfills the requirements of the University Core Curriculum in some way.

Students entering Temple as freshmen and transfer students with fewer than 45 transfer credits complete the full University Core Curriculum (see University Core Curriculum under the Academic Programs section of the Bulletin).

Transfer students with 45 or more transferable credits satisfy the 45+ Transfer University Core version of the University Core. (See 45+ Transfer University Core under University Core Curriculum in the Academic Programs section of the Bulletin.)

Students with an associate degree approved for Core-to-Core Transfer meet most University Core requirements with the general education courses taken for the associate degree. Associate degrees are approved for Core-to-Core Transfer by two university-wide faculty committees. See Core-to-Core Transfer for information on the policy and a list of approved community college associate degrees.
International Students

An individual is considered an international student if he/she meets either of the conditions described below:

- applicants who hold or will hold a student visa, exchange visa, or any other type of non-immigrant visa
- applicants who are permanent residents, naturalized citizens, or have refugee status in the United States and have not studied in the United States at the secondary or college level

International students who require a visa must complete the International Student Application available on-line or from the Admissions Office. International students are also required to complete a Financial Support Statement as part of the international student application.

Effective April 2002, U.S. federal regulations prohibit individuals in Visitor for Business/Pleasure (B-1/B-2) status from pursuing full-time academic studies at a university or college in the United States and from applying for a change of status from B-1/B-2 to Nonimmigrant Student (F-1) status while they remain in the United States. These individuals must seek Nonimmigrant Student (F-1 or J-1) status through a U.S. consulate outside of the United States.

Orientation and Immunizations
For requirements see Services for International Students under Student Services.

Special Admissions Programs

Dual Admissions Programs
See Transfer Students.

Pre-Professional Admissions Programs

TempleMed Scholars Program
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
http://www.temple.edu/healthadvising/medschol.html

The TempleMed Scholars Program provides an opportunity for outstanding students to gain conditional admission to the Temple University School of Medicine at the same time they are accepted into one of Temple’s undergraduate colleges. As TempleMed Scholars, students are expected to complete the University Honors Certificate Program in conjunction with their undergraduate degree, after which they will enroll in the Temple University School of Medicine, leading to a degree of Doctor of Medicine.

In the eight-year enriched option, a student receives a bachelor’s degree in the first four years and enters medical school to receive a medical degree after an additional four years.

In the seven-year accelerated program, a student begins medical school after three years of undergraduate work and at the end of seven years receives a medical degree.

High school students interested in the TempleMed Scholars program should apply in the fall of their senior year. Both an application for undergraduate admission and an application for the TempleMed Scholars program are necessary. For further information, please contact the program director or visit the website listed above.

TempleLaw Scholars Program
www.temple.edu/vpus/programs_initiatives/upperdivision/lawscholars.htm

Paul Crowe, Director
Philosophy Department
College of Liberal Arts
215-204-8591
pcrowe@temple.edu
The TempleLaw Scholars program provides an opportunity for outstanding students to gain provisional admission to Temple University School of Law at the same time they are accepted into an undergraduate program. As TempleLaw Scholars, students are expected to complete the University Honors Certificate Program in conjunction with their undergraduate degree, after which they enroll in the Temple University School of Law, leading to the degree of Juris Doctor. There are two program options: The 3/3 offers an accelerated experience in which the student begins law school after three years of undergraduate work; the 4/3 program offers an enriched undergraduate experience in which the student receives the bachelor's degree after four years and the law degree after three years.

Students may enter the TempleLaw Scholars program from either the College of Liberal Arts or from the Fox School of Business and Management. For more information or an application, please contact Paul Crowe in the College of Liberal Arts or Lynne Andersson in the Fox School of Business and Management.

TempleRx Scholars Program
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
www.temple.edu/vpus/programs_initiatives/pre-professionalhealth.htm

Marquette L. Cannon-Babb, Pharm. D., Assistant Dean
School of Pharmacy, HSC Campus
215-707-4900

This program admits approximately ten exceptional students per year, granting them provisional acceptance into the six-year Temple Doctor of Pharmacy program. Scholars are expected to participate in the University Honors Certificate Program in conjunction with their undergraduate course work before they enroll in the Temple University School of Pharmacy.

Prospective students may apply for admission in the fall of their senior year of high school by completing a general college admissions form and a separate TempleRx Scholars application. For more details, contact Marquette Cannon-Babb, Assistant Dean of the School of Pharmacy.

University Honors Program
Honors Certificate Program
The Certificate Program is designed primarily to enhance the student’s experience in the university’s core or general education courses. Qualified students who apply to any of the schools or colleges at Temple will be offered admission to the University Honors Certificate program. No separate application is necessary. Selection criteria include high school credentials, application essay, recommendations, and SAT I scores. Current students who did not begin the Certificate Program upon entrance to the University and Transfer students must apply.

Honors Scholars Program
The Scholars Program is designed to enhance the student’s experience during the junior and senior years, primarily through research and independent study in the student’s major or related fields. Students can complete their work through University Honors Scholars program or through one of the school or departmental programs. Students must apply. To qualify students must have 60 earned hours and a minimum 3.6 cumulative grade point average. See University Honors Program under Academic Opportunities.

Russell Conwell Educational Service Center
Working through the Office of Admissions, the Russell Conwell Center (RCC) provides university admission for students who have a strong academic record in high school, but may not have "aced" the SAT/ACT. Once selected by the Office of Admissions as a University student, students are enrolled in the RCC, which serves as their academic advising unit and academic support community through graduation. The RCC offers a wide range of services to students, including:

- academic advisement and counseling
- individual and group tutoring
- academic and educational support

© 2007, Temple University. All rights reserved.
undergraduate research
• employment opportunities
• leadership development activities
• peer mentoring
• career identification and exploration
• scholarship support
• six computer labs
• a laptop loan program
• cultural and academic enrichment programs
• and more!

Contact the Office of Admissions at 215-204-7200 for further information. See the Student Support Services section of this Bulletin for more descriptive information about the services provided at the RCC, view the website at www.temple.edu/rcc or call the RCC at 215-204-1252.

Continuing Education
See Special Programs.

Special Programs General Information

The programs listed in this section are available for all students intending to study at Temple University without having to be enrolled in a degree program.

The academic policies and regulations generally apply to all students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Statements of academic policies and regulations apply to both matriculated and non-matriculated undergraduates unless explicitly noted otherwise. In addition to the description below, please refer to the Responsibilities and Rights and Academic Policies and Regulations for further information on particular policies that relate to students in these programs.

Temple University provides a broad administrative framework to present and support a wide range of University offerings not falling within the province of typical undergraduate and graduate degree work on Temple campuses. Registration for credit-bearing courses is administered through the Continuing Education Office on the various campuses. Registration for non-credit courses is handled through Temple University Center City (TUCC) or Temple University Fort Washington (TUFW). Students taking non-credit courses at Temple University Ambler, TUFW and TUCC may register and pay online for non-credit courses through those campus websites. The online system links non-credit course payments into the TUPay system, already in use for credit course payment. The non-credit course registration and payment system may be accessed by going to www.tufw.temple.edu or www.temple.edu/tucc.

Course offerings under special programs respond to the differing needs of adults seeking additional education. Some offerings are of common interest to all, such as writing and general computer skills. Other courses, tailored for those adults who wish to change their work situation, focus on new skill and knowledge development. Course work is also designed for adults who wish to maintain their current work position in a profession that requires re-certification to maintain appropriate licenses. Course offerings also are geared to those adults seeking personal enrichment as their primary goal.

The form of programming includes credit certificates, non-credit professional certificates, and non-credit personal enrichment courses. The courses are offered at the following Temple sites: Temple University Ambler, Temple University Fort Washington, Temple University Center City, Temple University Harrisburg, and a variety of public and private off-campus sites through the auspices of Extension Services.

Information about the services offered at each campus is presented below.

Main Campus: The Main Campus Office of Continuing Education is the University’s central office for serving non-matriculated students. Non-matriculated students are those who have not been formally admitted to a degree program. [See Programs with Academic Credit/Undergraduate Non-Matriculated Students below.] The Office serves a variety of students, including adults returning to school for undergraduate or graduate courses, professionals updating their skills,
qualified students seeking undergraduate admission, students taking courses for personal enrichment, and visiting students. There is no formal application to enroll as a Continuing Education student; however, first-time enrollers are asked to provide documentation of education completed (high school transcript, GED certificate, college transcripts, or college diploma). Prior to their enrollment, degree-seeking students may be required to take one or more University placement tests.

Services include:
- individual academic advising
- informal evaluation of academic transcripts
- registration and schedule revisions
- referrals to other University services and programs

For more information on non-matriculated students, see the Academic Policies and Regulations section of this Bulletin.

Ambler/Fort Washington: Temple University's Ambler and Fort Washington campuses offer extensive undergraduate, graduate, and non-credit courses/programs available days, evenings, and weekends. The listing of all offerings is available at www.ambler.temple.edu. Students interested in credit courses or programs should contact the Office of Academic and Career Advising at Ambler Campus by phone (267-468-8200), or go to the website at www.ambler.temple.edu/advising. That office coordinates the services for students, as described under Main Campus above. For more information on non-credit offerings and registration, see the Non-Credit Programs/Temple University Fort Washington section below, or go to www.tufw.temple.edu.

Center City: In addition to undergraduate and graduate level programs and courses, Temple University Center City (TUCC) offers a rich selection of non-credit programs and classes. These include courses for your personal enrichment from the Institute for Continuing Studies and Music Prep, courses leading to state licensure in the real estate field from the Real Estate Institute, lively classes on every conceivable subject for retirees provided by members of the Temple Association for Retired Persons (TARP), and career development seminars and professional certificate programs from The Business Agenda. For more information on non-credit programs, please see the Non-Credit Programs section below and/or visit www.temple.edu/tucc/.

Health Sciences Center (HSC): The School of Medicine (www.temple.edu/medicine/), the Maurice H. Kornberg School of Dentistry (www.temple.edu/dentistry/), the School of Pharmacy (www.temple.edu/pharmacy/), and the College of Health Professions (www.temple.edu/chp/) sponsor continuing education activities for their graduates as well as for graduates of other institutions. Many programs meet the requirements of professional accrediting agencies to take refresher courses or seminars in order to keep abreast of changes in the field.

Off-Campus/Corporate Programs

Temple University has been bringing its rich educational resources to off-campus sites for over 60 years. Through its Office of Extension Services, Temple University provides both off-campus and customized corporate programs throughout the Philadelphia five-county area and beyond. The Office of Extension Services offers a wide array of credit and non-credit courses, seminar/workshops, certificate and full degree programs.

The staff of Extension Services serves as the liaison between the University faculty/trainers and its external customers. They have developed strong affiliations with businesses, school districts, units of government, and non-profit associations. Extension Services delivers, on site, the most effective credit and non-credit programs in the Delaware Valley. Extension Services develops and customizes training programs designed to be taught on site at the customer's workplace while assuring the utmost quality in instruction and customer service. For more information, check out the Extension Services website or e-mail extserv@temple.edu.

Credit-Bearing Certificate Programs

At Temple University, a certificate is a credit-bearing program of courses leading to a credential that recognizes the student’s work in a specialized area of knowledge. An undergraduate certificate may be part of a degree program, or it may stand alone. It is distinct from an academic major or minor and should not be confused with the process of professional certification for teaching and other fields. Certificate programs often focus on the acquisition of specific skills recognized in the job market. They are open to undergraduates in all Temple schools and colleges and majors and are

© 2007, Temple University. All rights reserved.
particularly useful to students seeking to document their exposure to fields and disciplines outside of their academic major and minor. Some majors recommend particular certificate programs to their students. Non-matriculated students should contact the department offering a certificate, as some certificates are restricted to matriculated students. The University Honors Program and the Fox School of Business offer Honors certificates. You will find a partial listing of certificate programs below. For more detailed information, contact the school, college, or campus where the program is offered.

### Certificates of Completion

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Department</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arabic</td>
<td>Critical Languages</td>
<td>CLA</td>
</tr>
<tr>
<td>Asian Business and Society</td>
<td>Asian Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>Business Basics (restricted to non-matriculated students)</td>
<td>Business Management</td>
<td>FSBM</td>
</tr>
<tr>
<td>Business Plus (restricted to non-matriculated students)</td>
<td>Business Management</td>
<td>FSBM</td>
</tr>
<tr>
<td>Career and Technical</td>
<td>Career and Technical Education</td>
<td>Education</td>
</tr>
<tr>
<td>Child and Family Services</td>
<td>Social Work</td>
<td>SSA</td>
</tr>
<tr>
<td>Chinese</td>
<td>Critical Languages</td>
<td>CLA</td>
</tr>
<tr>
<td>Cooperative Education</td>
<td>Career and Technical Education</td>
<td>Education</td>
</tr>
<tr>
<td>E-Business Certificate in Tourism, Hospitality, Sport and Recreation</td>
<td>Sport and Recreation Management / Tourism and Hospitality Management</td>
<td>STHM</td>
</tr>
<tr>
<td>French</td>
<td>French, German, Italian and Slavic</td>
<td>CLA</td>
</tr>
<tr>
<td>Geography of Sports, Recreation and Tourism Planning</td>
<td>Geography and Urban Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>Geography of Tourism</td>
<td>Geography and Urban Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>German</td>
<td>French, German, Italian and Slavic</td>
<td>CLA</td>
</tr>
<tr>
<td>Gerontology</td>
<td>Institute on Aging</td>
<td>SSA</td>
</tr>
<tr>
<td>Health Research</td>
<td>Sociology</td>
<td>CLA</td>
</tr>
<tr>
<td>Horticultural Therapy</td>
<td>Horticulture</td>
<td>Ambler</td>
</tr>
<tr>
<td>Italian</td>
<td>French, German, Italian and Slavic</td>
<td>CLA</td>
</tr>
<tr>
<td>Japanese</td>
<td>Critical Languages</td>
<td>CLA</td>
</tr>
<tr>
<td>Jewish Secular Studies</td>
<td>Jewish Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>Landscape Plants</td>
<td>Horticulture</td>
<td>Ambler</td>
</tr>
<tr>
<td>Latin American Studies Semester</td>
<td>Spanish and Portuguese</td>
<td>CLA</td>
</tr>
<tr>
<td>Management Careers</td>
<td>Economics</td>
<td>CLA</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>Management Information Systems</td>
<td>FSBM</td>
</tr>
<tr>
<td>Multilingual Business and Government Studies</td>
<td>Spanish and Portuguese</td>
<td>CLA</td>
</tr>
<tr>
<td>People First</td>
<td>Human Resource Management</td>
<td>FSBM</td>
</tr>
<tr>
<td>Political Economy</td>
<td>Political Science and Economics</td>
<td>CLA</td>
</tr>
<tr>
<td>Russian</td>
<td>FGIS</td>
<td>CLA</td>
</tr>
<tr>
<td>Spanish</td>
<td>Spanish and Portuguese</td>
<td>CLA</td>
</tr>
<tr>
<td>Spanish and Latin American Studies for Business</td>
<td>Spanish and Portuguese</td>
<td>CLA</td>
</tr>
<tr>
<td>Spanish and Latino Studies for the Health and Human Services Professions</td>
<td>Spanish and Portuguese</td>
<td>CLA</td>
</tr>
<tr>
<td>Travel and Tourism</td>
<td>Geography and Urban Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>Women’s Studies</td>
<td>CLA</td>
</tr>
<tr>
<td>Writing</td>
<td>English</td>
<td>CLA</td>
</tr>
</tbody>
</table>

### Programs with Academic Credit

Temple University offers a variety of special programs with academic credit. For more details, contact the school, college, or campus where the program is offered.

**Visiting Students:** Temple University welcomes students from other colleges and universities who wish to enroll in courses on any of our campuses. Students should bring or fax a permission form from their home institution, listing the
specific Temple courses that have been approved for transfer. If the courses have prerequisites, students must provide proof of having taken and passed them. Some courses may also require special authorization from instructors or departments at Temple (e.g., Business courses numbered 2000 and above).

Students may use the Non-matriculated and Visiting Student registration form available on the Temple University Summer website at www.temple.edu/summer. This form must be faxed or sent via postal mail to the Temple University campus you are planning to attend. The full listing of the campus contact information and registration information for all campuses is available by visiting the Summer Programs Registration page at www.temple.edu/summer/registration.htm.

Credit Transfer to Your Home Institution: In order to facilitate the transfer of credits, students should request that an academic transcript be sent from Temple to their home institution. The transcript request form is available by visiting Temple's Office of Academic Records website. It will not be sent out automatically. For further information, please contact the Office of Academic Records at 215-204-1131 or visit in person on the second floor, Conwell Hall, Broad Street and Montgomery Avenue, on the Main Campus. You may also visit the registration office at your campus of choice or go to their website at www.temple.edu/registrar for more information.

Undergraduate Non-Matriculated Students: Students who are not currently enrolled at another institution may be permitted to register for some courses as non-matriculated (non-degree) students. To enroll in undergraduate courses they must have earned a high school diploma or a G.E.D. certificate. Students who have attended another college or university must provide a transcript of their previous academic work and must have earned at least a 2.00 cumulative grade-point-average. With some exceptions, these students are required to take the University placement test before they can register. However, meeting these minimum requirements does not guarantee enrollment as a non-matriculated student. For more information, and to speak with an academic advisor, please contact the Main Campus Office of Continuing Education or the office of the campus you wish to attend.

High School Students: High school students who will be entering their senior year in September 2007 may be eligible to register for college-level courses. Before they can register, they must secure and provide written authorization from their guidance counselor or high school principal, specifying the course(s) the student is authorized to take.

Summer Sessions: Temple University welcomes students from other colleges and universities, international students, as well as our own students, to enroll in a summer course at any one of our several campuses. We offer credit, non-credit, day and evening courses at our campuses. We also have several Study Abroad Programs in France, Germany, Italy, and Great Britain.

Institute on Aging: Gerontology is the study of aging and the issues that surround the aging process. The Institute on Aging offers a Certificate in Gerontology program in cooperation with schools and colleges throughout the University. Therefore, the certificate program is designed to provide the student with an interdisciplinary education along with practical experience in the field of aging.

Certificates in Gerontology are offered at the undergraduate and graduate level. The 18-credit-hour program may be completed in conjunction with a degree program or as a separate emphasis program for persons not currently enrolled in a degree program. All students must register and complete 15 credit hours and a field placement or action research project. Students are expected to finish the program within a five-year time span. No more than two gerontology electives may be taken prior to admission into the program.

Non-Credit Programs

For further information on the following non-credit programs and other non-credit programs, you can visit the websites of Temple University Center City (www.temple.edu/tucc/), Temple University Fort Washington (www.tufw.temple.edu), Temple University Alumni and Friends (www.temple.edu/alumni_friends/index.html) and Russell Conwell Center (www.temple.edu/RCC/).

The Business Agenda: For convenience, affordability and quality in workplace education, The Business Agenda offers professional training seminars to upgrade the skills of today’s workforce and add skills to any résumé. Courses are offered in the following areas: Communications, Entrepreneurship, Management and Leadership, Financial and Project Management, and Computer Technology. In addition, certificate programs are available in Meeting Planning, Interior Design, Editing, Database Management and Web Site Design. For more information, call 215-204-4335 and/or visit the website at www.temple.edu/tucc/noncredit/tba/index.htm.
Institute for Continuing Studies: The Institute for Continuing Studies responds to the needs of the growing number of adults who seek avenues for personal growth. Explore new areas of interest and meet like-minded people in an educational environment designed to fit your schedule. Courses are offered in the following areas: Acting, Creative Arts, Dance, Languages, Personal Finance, Cooking and Entertaining, Home and Garden, Exercise and Wellness, Writing and Literature, Trips and Tours, and Prep Workshops for the GMAT, GRE and LSAT. For more information, call 215-204-6946 and/or visit the website at www.temple.edu/tucc/noncredit/ics/index.htm.

Real Estate Institute: The Real Estate Institute is the largest professional consumer education program in the tri-state area offering pre-licensure or basic real estate courses as well as a broad spectrum of elective courses, all taught by state-certified real estate instructors. The Real Estate Institute's courses are fully-accredited by the Pennsylvania Real Estate Commission and are intended for those seeking state licensure and/or professional advancement but not an academic degree. The courses allow you to qualify for the Pennsylvania Salesperson Licensing examination and, together with a three-year apprenticeship and additional courses, for the Pennsylvania Real Estate Brokers examination. All students who successfully complete each course of study are awarded Real Estate educational credits and a Temple Real Estate Institute transcript. For more information, call 215-204-1530 and/or visit the website at www.temple.edu/tucc/noncredit/rei/index.htm.

Music Prep: Music Prep offers continuing opportunities for musical growth and enrichment for people of all ages and abilities, from the beginner to the experienced musician. There are programs designed for preschool through high school age students who are considering music as a future career or serious avocation and for adults who wish to develop their musical skills and interests. For more information, call 215-204-1512 and/or visit the website at www.temple.edu/boyer/musicprep/.

Temple Association for Retired Persons (TARP): TARP is an educational program for people who are retired, near retirement, or adults with discretionary time to take daytime classes. There are no age limitations. The organization brings a lively, no-pressure atmosphere and offers a variety of courses.

TARP instructors are also TARP members, representing many professions, vocations, and life experiences. Classes are held Monday to Friday. TARP also presents the Friday Forum, featuring speakers with diverse and interesting backgrounds. Members may sit-in on one undergraduate course each semester, subject to University policy and instructor approval. All classes are held at Temple's Center City campus - convenient to public transportation. For more information, call 215-204-1505, e-mail tuctarp@temple.edu, and/or visit the website at www.temple.edu/tucc/noncredit/tarp/index.htm.

Temple Senior Scholars: Temple University welcomes its senior alumni back to campus through the Temple Senior Scholars. Co-sponsored by the University and the Temple University Alumni Association, Temple Senior Scholars offers alumni age 50 and over the opportunity to return to Temple's thriving Main and Ambler campuses to audit a variety of regularly-scheduled classes for a nominal fee. Courses are taught by Temple's accomplished professors and offer senior alumni the opportunity to interact with a new generation of Temple students while experiencing the joy of lifelong learning.

Discounted parking, library and TECH Center privileges, and courtesy computer accounts are provided to Senior Scholars for the semester. If you are an alumnus/a age 50 and over, and are interested in participating in the Temple Senior Scholars program, please contact Christine Brady, Associate Director of Alumni Relations, at 215-204-4313 or christine.brady@temple.edu.

Non-Credit Programs at Temple University Ambler and Fort Washington
The Office of Non-Credit and Special Programs, located at TUFW, provides seminars at the Graduate Center in professional development and computer applications for today's workforce. Non-credit certificate programs can be completed in Accounting, Editing, Interior Design, Meeting Planning, Wedding Planning, Computer Applications, Database Management and Web Site Design. Workshops are also available to help prepare students for the SAT, GMAT, LSAT, and GRE. Personal enrichment courses are offered in writing, arts, literature and language, exercise, food and entertainment, horticulture, and wellness at Temple University Ambler. TUFW is also utilized by local corporations for training programs and meetings during the day. For more information about the workshops, open houses, or to receive catalogs or general information, please call the Office of Non-Credit and Special Programs at 267-468-8500 or send an e-mail to ncregistrar@temple.edu.

To view the non-credit course listing, visit the website at www.tufw.temple.edu, click on "Non-Credit Programs", and then on "Courses and Online Registration".

LifeLong Learning Society at Temple University Fort Washington: The Lifelong Learning program provides stimulating classes with great teachers, topics, and students. Classes are designed for learners 55 and up, but adult learners of all ages are welcome. After paying an annual fee, or semi-annual fee (fall or spring), students may enroll in as
many of the LifeLong Learning Society courses as they like. Call 267-468-8500 for details or go to the LifeLong Learning Society section on the Fort Washington website (www.tufw.temple.edu) for a listing of courses.

**Russell Conwell Center Non-Credit Programs:** The Russell Conwell Center (RCC) offers a series of Certificate Programs designed to increase student’s proficiency in various skill areas. While the Certificate Programs change each semester, sample Certificate Programs have included: Public Speaking, Creating Professional Presentations with PowerPoint, Utilizing Access, Becoming Proficient with Excel, and Financial Management, Budgeting and Investing. To register or obtain more information, contact the RCC at 215-204-1252.

## Registration

Office of Academic Records  
200 Conwell Hall  
1801 North Broad Street  
Philadelphia, PA 19122

215-204-1131  
215-204-6626 (fax)  
www.temple.edu/registrar

**General Information**

Students planning to register for classes should obtain a *Guide to Registration*. Separate editions are produced for the spring, and summer/fall semesters.

This publication contains important advising and registration information and provides lists of the courses offered, including listings by Learning Community, CORE, General Education and Distance Learning. Copies are available in each advising office and online at www.temple.edu/registrar.

Detailed information regarding courses offered (day, time, location, instructor) is on the Course Schedule website at www.temple.edu/tucourses.

Advising is required prior to initial registration for students who must register on campus and is strongly recommended for all students who register through OWLnet at http://owlnet.temple.edu. Students should contact their school, college, or department advisors for appointments or information. Generally, advisors and students review options and requirements, select courses, and complete and sign a registration form when necessary. For further information on academic advising, please see Advising under the Student Support and Services section of the *Bulletin*.

Also, read the Registration Dates & Information and Online Registration sections provided on the website of the Office of Academic Records.

**Registration Policies**

Enrollment is not complete until payment of tuition and fees has been made and processed through the Department of the Bursar. Failure to satisfy billing & financial obligations may result in cancellation of a student’s current registration; withholding of official transcripts, grades, degrees, and diplomas; denial of the right to register for future sessions; and the assessment of late fees and collection costs.

Students who withdraw from classes by the end of a term’s drop/add period (the end of the second week of the fall and spring semesters and summer sessions) will have the courses dropped from their rosters. This will relieve them of academic responsibility and in many instances financial responsibility associated with the course.

Students who withdraw from classes after the drop/add period are responsible for full payment of all tuition and fees. Unpaid tuition balances may be referred for collection and students may be held liable for paying all associated collection costs and/or legal fees.

**Continuing Student Registration**

Continuing Student Registration is the period in which all currently enrolled, matriculated students are required to register. Each semester, currently enrolled students are sent an e-mail and a postcard containing the registration schedule.
An installment tuition payment plan is available for students who register for the fall or spring semesters during these periods. See the Tuition and Fees section of the Bulletin as well as the printed Guide to Registration for payment information.

Please note the following important information with respect to continuing registration for matriculated students (graduates and undergraduates) enrolled in the current semester:

- For fall semester, held mid-March, with initial fall semester E-bills sent beginning in late July and due mid-August.
- For spring semester, held mid-October, with initial spring semester E-bills sent beginning in December and due in January.
- Continuing, matriculated students (graduates and undergraduates) may continue to register beyond these dates but must register for their next semester by stated deadlines or risk a late registration penalty. Generally, they must be registered for the spring semester no later than the last day of the fall semester and for the fall semester by July 31. See the Guide to Registration and Registration Dates & Information for the specific deadlines in each fall and spring semester.

Open Registration

Open registration is available:

- For new students, readmitted students, and continuing students who could not register during continuing student registration
- For fall semester, held April to late August
- For spring semester, held November to mid-January

An installment tuition payment plan is available for most students who register during this period. See Tuition and Fees and the printed Guide to Registration for payment information and registration dates.

Late Registration

Temple conducts late registration at the beginning of each semester or summer session. Registration appointments may be required.

A late fee of $50.00* will be assessed beginning the first day of classes in the fall and spring semesters and each summer session. No initial registrations or registration revisions will be processed after the first week of classes of the fall and spring semesters and second day of the summer sessions. These charges and restrictions apply to both initial and reinstated registrations and are subject to change.

* This fee is assessed earlier to continuing matriculated students who delay their fall or spring registration. See Continuing Student Registration above.

Schedule Revision (Drop/Add)

Students may revise their schedules at any time after they have registered. Students who cannot register online but wish to make changes in their course schedules must do so in their schools and colleges. Approvals required vary according to the time the transaction is completed. See the Schedule Revision Matrix in the Guide to Registration for more information.

These students must:

- Obtain a schedule revision form from their advising office.
- Complete the form with appropriate signatures.
- Take the completed form to their campus registration office.

Students may not add courses or change course sections after the first week of fall and spring semesters and second day of the summer sessions. Course sections may be dropped through the second week of the fall and spring semesters and summer sessions. Withdrawing from a course within the first two weeks of the fall and spring semesters or the summer session results in the deletion of the class from the student's roster. In some instances, it also relieves the student of the financial liability associated with the deleted course. If a refund is due, the provisions of the refund policy will apply.
A charge of $12.00 is assessed for schedule revision after the first week of classes during the fall and spring semesters and after the first two days of the summer sessions. This fee is assessed each day that a revision is transacted. See Schedule Revision and Withdrawal from Classes in the Academic Policies and Regulations section of this Bulletin.

**Student Identification Cards**

OWL Cards (student IDs) are produced on the Main Campus by the Office of Student Academic Records during New Student Orientation. At other times throughout the semester, ID cards are produced by the Diamond Dollars Office.

An OWL Card is needed for entry into buildings, library privileges, and many University services.

Replacement cards are available on the Main Campus in the Diamond Dollars Office, 1910 Liacouras Walk; the Office of Academic Records, Second Floor, Conwell Hall; and the Office of Student Financial Services, Ground Floor, Carnell Hall. The cost of a replacement is $10.00.

ID cards also are issued on the Ambler Campus, Tyler Campus, Health Sciences Center, and on scheduled days and times at the Center City Campus.

**Additional Registration Information**

**Veterans**

Veterans may enroll as full-time or part-time students; however, benefits are based on enrollment status. The Veterans Coordinator in the Office of Student Academic Records is available to answer questions concerning V.A. benefits at 215-204-7358.

**International Students**

If a student is on a non-immigrant visa, enrollment for a minimum of 12 credits each semester is required to meet immigration regulations. Non-resident tuition charges are assessed.

**Continuing Education Students**

(Non-matriculated students attending Temple prior to formal admission into a degree program)

First-year, non-matriculated students may register for a maximum of 11 credits per semester. Second-year, non-matriculated student registrations are based upon academic progress. However, non-matriculated students are prohibited from registering via OWLnet and must register through their Continuing Education office. Continuing Education students must apply for admission by the completion of 30 s.h. Preadmission counseling, academic advising, registration, and other support services are provided for non-matriculated students. Also see the Continuing Education website for more information.

**Tuition and Fees**

**Payment of Tuition**

David Glezerman, Bursar
115 Carnell Hall
215-204-7269
david.glezerman@temple.edu
www.temple.edu/bursar

Students’ registrations are not finalized until all applicable tuition and fee payments are processed by the Department of the Bursar. Failure to satisfy all financial obligations, when due, will result in cancellation of a student’s current registration, withholding of official transcripts and diplomas, and denial of the right to register for future sessions. Students who do not withdraw by the published deadline are responsible for payment of all tuition and fee charges, along with any installment fees, late payment charges and/or collection costs. Temple University will first apply all payments received to the oldest outstanding balance, if applicable, then to the current semester charges.

© 2007, Temple University. All rights reserved.
Temple University notifies students via their TUmail account to view their electronic bills in TUpay. Students are required to pay at least the minimum amount due on their bills on or before the due date on their bill. Students whose financial aid or tuition remission benefit credits are equal to or exceed the amount due must confirm their registrations either on the Financial Services section of OWLnet (if your bill says that you owe "zero"), or in person at the Office of Student Financial Services.

Students have the option to pay their tuition in full or pay the minimum amount due and be automatically enrolled in the Temple Easy Payment Plan (TEPP), which allows for the tuition to be paid in up to three (3) installments over the semester. The number of available installments depends on the student's date of registration. Students should refer to the latest Guide to Registration or other publications for a more detailed explanation of the plan.

Students who select courses, but fail to make their payment on or before the due date on the tuition invoice, will have their registration canceled and will be required to re-register and pay a $100 reinstatement fee. There is no guarantee that students' original classes will be available at the time of re-registration.

Acceptable forms of payment include: financial aid vouchers, tuition remission forms, checks (paper and electronic), cash, credit cards, and money orders. Checks or money orders should be made payable to Temple University. Credit cards accepted for on-line payment only through TUPay include: MasterCard, American Express, and Discover. Please note that credit card payments are subject to a 2.75% convenience fee by the University’s processor.

Payment must be received by the billing due date to assure proper crediting and to avoid potential registration cancellation.

**Payment Plans**

Temple University offers an Easy Payment Plan for the Fall and Spring semesters to help students who are not fully paying their bills budget the costs for tuition, room and board, and fees as best fits their personal situations. The Temple Easy Payment Plan will allow students to make up to three (3) payments over the semester. Students who use the Temple Easy Payment Plan pay an $11 fee per installment.

The University also offers the Temple Installment Payment Plan (TIPP) for those students who need an extended payment option. For more information about this plan, offered through Higher Education Services (HES), go to [www.temple.edu/bursar/current/documents/tipo0708.pdf](http://www.temple.edu/bursar/current/documents/tipo0708.pdf).

**Financial Counseling**

Students who need assistance in financing their education should see a Financial Counselor in the Department of Student Financial Services (Ground Floor, Conwell/Carnell Hall). Call 215-204-2244 for an appointment.

**Student Loan Counseling**

All students who receive federal student loans are required by federal regulations to receive loan counseling when first receiving a loan and prior to leaving the University.

The Credit and Collections unit in the Bursar's Office is responsible for completing loan counseling for all students who are receiving federal student loans for the first time (entrance interviews). In addition, this staff can assist students with related financial planning that would help them in completing their education at Temple. Students can go to [www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple](http://www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple) to complete the entrance interview or call 215-204-5262 for additional information.

Students who are graduating must complete an exit interview on line at [www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple](http://www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple) or contact the Credit and Collections unit in the Bursar's Office Second Floor, Carnell Hall, at 215-204-5262.

**Assessing Tuition Charges**

Tuition assessment at Temple University is based on full-time or part-time status; undergraduate, graduate, or professional classification; level of courses; and in-state/out-of-state residency status.

**Full-time Status**

Undergraduate students are considered full-time students when carrying between 12-17 semester hours (s.h.). Credits in excess of 17 s.h. are additionally assessed at the per semester hour tuition rate.
International students, holders of non-immigrant visas, are required to pay out-of-state tuition fees and register as full-time students.

There is no distinction between full-time and part-time graduate tuition rates. All graduate students are assessed at a credit hour rate, regardless of the number of credit hours they are taking.

**Part-time Status**
Undergraduates are considered part-time students when taking fewer than 12 s.h. per semester. Tuition is charged by the semester hour for part-time undergraduates.

**Undergraduate Level Course Classification**
Undergraduate courses numbered 1000-4999 that are approved for graduate credit are assessed at the graduate tuition rate. Courses numbered 5000 and above are assessed at the graduate tuition rate.

**In-State/Out-of-State Residency Status**
A student is classified as a Pennsylvania resident for tuition purposes if his or her permanent, legal residence is in Pennsylvania. In-state residency is generally established within the context of the following overall guidelines:

An individual who has not lived in Pennsylvania for a continuous 12-month period immediately prior to registration as a student at a Pennsylvania college or university is presumed not to be a Pennsylvania resident. A student may rebut this presumption with convincing evidence.

A student under 22 years of age is presumed to have the residency of his or her parents or legal guardians. A student may rebut this presumption by presenting convincing evidence of emancipation and independent domicile.

A student who receives financial aid based on residence in a state other than Pennsylvania will not be considered a resident of Pennsylvania.

Students who are not United States citizens or permanent residents of the U.S. cannot be considered residents of Pennsylvania for tuition purposes.

An individual attempting to establish residency for tuition purposes must file a Residency Application with the Office of Student Academic Records. Evidence requested in support of an application may include, but may not be restricted to, the following: lease or purchase of a permanent, independent Pennsylvania apartment or home; payment of Pennsylvania state and local taxes; transfer to Pennsylvania of bank accounts, stock, automobile, and other registered property; acquisition of Pennsylvania driver's license; acceptance of a permanent full-time job in Pennsylvania upon graduation; membership in Pennsylvania social, athletic, civic, political, and religious organizations; registration to vote in Pennsylvania; and an affidavit of intention to reside indefinitely in Pennsylvania.

Specific questions pertaining to Pennsylvania residency status should be directed to the Office of Student Academic Records. The telephone number is 215-204-1131.

**Tuition Schedule**
To see a copy of the latest tuition schedule, click here: www.temple.edu/bursar/about/tuitionrates.htm.

**University-Wide Fees**
To see a copy of the latest fee schedule, click here: www.temple.edu/bursar/about/tuitionrates.htm.

*Please note that Tuition and Fees are subject to change by action of the University's Board of Trustees.*

**Description of Special Charges and Fees**
Students may be required to pay some or all of the following (subject to change):

**Application Fee**
$25.00 for standard on-line application for admission, $50.00 for paper application for admission, or $5.00 for students applying for readmission.
Matriculation Fee
A one-time $70.00 charge is assessed of all first-year students who are degree-seeking candidates. This fee includes the student orientation program.

General Activities Fee
All full-time students (12 or more semester hours for undergraduate students, nine or more hours for graduate students; full-time professional students; and professional law students working toward a degree even if technically part-time) are required to pay a $35.00 per semester General Activities Fee (GAF). All part-time students are assessed a $5.00 per semester General Activity Fee.

The purpose of the fee and its related services is to promote and enhance the educational, recreational, social, and cultural life of the student body. Funds derived from the fee will be directly tied to the support of activities and events for students.

Students will receive a Confirmation Card in the mail when the fee is paid. This entitles them to free or discounted admission to a number of campus programs.

Part-time students may purchase a sticker for $35.00.

Computer and Technology Fee
All students are required to pay the Computer and Technology Fee, which is based on their registration status. Students enrolled for nine or more credits are required to pay a $125.00 per semester fee, students enrolled for five to eight credits must pay a $90.00 per semester fee, and students enrolled for one to four credits are required to pay a $43.00 per semester fee.

The purpose of this fee is to fund purchases of computer equipment and sophisticated technologies for student use. Some of the benefits that students receive from the Computer Tech fee include OWLnet enhancements and development, up to date computer labs and access to a Temple University e-mail account.

Recreation Services Fee
A Student Recreation Services fee of $30.00 is assessed each semester to all full-time students, excluding students enrolled at Temple University Center City and programs abroad. This fee is designed to provide access to University recreation facilities.

Student Health Fee
Full- and part-time students (nine semester hours or more) are charged $60.00 per semester during the academic year to help subsidize the basic diagnostic and treatment services provided by nurses and physicians at all four campus locations. Half-time students (six to eight semester hours) pay $20.00 per semester, and all students enrolled for summer sessions pay $10.00.

Gynecology/family planning services and laboratory testing are specialized services available at Main Campus for an additional fee(s).

Student Facilities Fee
Students are charged $25.00 per semester for the fall and spring semesters and $12.50 for each summer session to help subsidize the expansion and maintenance of facilities that enhance and improve student life. Excluded from paying this fee are students in Temple University Beijing, Japan, Rome, Harrisburg, and off-campus locations.

Special Tuition Charges
Certain courses have special tuition in lieu of the standard tuition rates. This charge is assessed at the time of registration for the course.

Additional Fees
Certain courses have special fees assessed in addition to the standard tuition. This charge is assessed at the time of registration for the course. See the Course Schedule for a listing of courses with additional fees.

Change of Course
A $12.00 charge is assessed for dropping or adding courses after the initial Schedule Revision period. (See Registration for details.)
Late Registration and Reinstatement Fee Policy

Continuing matriculated students eligible to register but who fail to do so by August 1 for the fall semester, or by the end of the fall semester for the spring semester, will be assessed a $50.00 late registration fee. All other students will be assessed the $50.00 late registration fee beginning the first day of the term. No new registrations or registration revisions will be processed after the end of the twelfth week of classes during the fall and spring semesters and after the end of the fourth week of summer sessions.

Students whose registrations are cancelled for non-payment by the due date or failure to confirm when their bill reflects a zero balance due because of pending financial aid are required to pay a $100 reinstatement fee to re-register. Please be aware that students’ original classes may no longer be available when attempting to re-register.

Late Payment
Tuition payments not received by due dates will be subject to a $50.00 late payment fee. Students who fail to pay their initial payment by the due date may also have their registrations canceled.

Bad Check Penalty
A $25.00 fee is assessed for all paper and electronic checks issued to the University and not paid upon presentation to the bank. Registration may be canceled as a result.

Transcript Fee
A $6.00 fee is assessed for official transcripts from the University.

Graduation Fee
A $44.00 fee is assessed for graduating seniors.

Health Insurance
Group medical insurance to defray certain medical expenses at hospitals is offered to full-time students during a limited period of time at the start of each semester. Students should contact the Human Resources Benefits Office, 215-204-1321, for details concerning costs and application procedures. International students are required to buy medical insurance or show proof of comparable coverage to the Human Resources Benefits Office.

Tuition and Fees Policy

I. Policy
A. Tuition charges and fees are based upon the student's enrollment status in the respective schools or colleges. Refunds are made in accordance with the student's academic records.

B. Students will be charged 100% of their semester bill unless a withdrawal form is processed by a registration office of the University by the Drop/Add deadline date. The Drop/Add deadline date is published in the Class Schedule each semester and is at the end of the second week of the semester. Students who process their withdrawal form by the deadline date will be issued a 100% refund.

C. No credits will be made if a student does not process a withdrawal form for all registered classes.

II. Exceptions
A. Failure to Process Withdrawal Form by Deadline
Under extreme, extenuating circumstances, an appeal may be made to the Office of Academic Records if the drop transaction is not completed by the deadline, and the student did not attend classes after the deadline date. All appeals must be accompanied by the following information:

1. A letter explaining the extenuating circumstances of the appeal.
2. A properly-signed schedule revision or official withdrawal form available from the Dean's Office.
3. Supporting documentation that will establish that the student never attended the semester in question or that he/she did not attend beyond the official refund period.
4. Appeals for retroactive withdrawals must be filed within one (1) year from the end date of the semester for refunds to
be approved. If the above conditions are met, the Office of Academic Records will direct the removal of the semester's records from the academic history. This automatically results in a 100% refund of tuition and fee charges for the semester.

B. Death of a Student
In the event of death during a semester, the student's account will be credited with a 100% refund of tuition and fee charges for the semester.

C. Serious Illness Which Prevents a Student from Attending Classes
In the event of a serious personal or family member’s illness, the following steps can be taken:

1. The student should provide the Department of Student Financial Services with:
   a. A letter from the student listing the reason(s) for their refund request (i.e., personal or family illness, etc.).
   b. Certification from a licensed physician verifying that the student or family member was ill. In the case of the student's illness, the certification should indicate that the illness prevented the student from attending class, and
   c. Letter(s) from the student's instructor(s) or department chairperson(s) that, based on the actual or anticipated length of the student's leave, the course work cannot be completed within the current term and the last day of attendance.
   d. The student must withdraw from all registered courses. NOTE: For purposes of this policy, a family member is defined as the student's parents, spouse, child(ren), or any other family member noted under the federal Family Leave Act.
2. When the above criteria in C.1 are met, the student's bill will reflect an adjusted tuition charge in accordance with the attached schedule. A credit will be issued on a pro-rated basis after:
   a. Confirming that the student has no other outstanding balances, and
   b. Having the Department of Student Financial Services adjust any financial aid awards, where applicable, in accordance with state and federal regulations. NOTE: Student refunds will be issued as a credit towards tuition and fees for future registrations up to one (1) year after the end of the semester in which the withdrawal took place. Unused credits will be forfeited after that time.
3. The effective date for all medical credits will be based on the earlier of either:
   a. The official date of withdrawal, as established by the Office of Academic Records, or
   b. The physician's date of certification, if the student is physically unable to complete a withdrawal by the end of the semester.
4. Refunds or credits resulting from the death or serious illness of the student will not require the deletion of courses from the student's academic records. The student's record will reflect withdrawals.

D. Employment Change/Relocation
1. If a student must withdraw from classes because of a job change or shift in work hours, the student may request a pro-rata credit, based on the actual withdrawal date and in accordance with the Fee Schedule of Adjusted Tuition Charges, if documentation from the employer is provided showing that the individual is no longer able to take classes because of a change in job status.
2. This provision applies solely for the student and only after the student has totally withdrawn from all registered courses.

III. Authority
A. The Office of Academic Records will have authority for determining the student's academic records.
B. The Director of Student Financial Services will have authority for approving financial exceptions to the policy.
C. Appeals of any decision outlined under this policy will be made to the University Refund Appeal Committee, whose decision is final.

Tuition and Fees Refund Policy

<table>
<thead>
<tr>
<th>Date of Official Withdrawal</th>
<th>Adjusted Tuition Charges You Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall and Spring Semesters</strong></td>
<td></td>
</tr>
<tr>
<td>1st through 7th calendar day after the end of the Drop/Add deadline date</td>
<td>30%</td>
</tr>
<tr>
<td>8th through 14th calendar day after the end of the Drop/Add deadline date</td>
<td>40%</td>
</tr>
<tr>
<td>15th through 21st calendar day after the end of the Drop/Add deadline date</td>
<td>50%</td>
</tr>
<tr>
<td>22nd through 28th calendar day after the end of the Drop/Add deadline date</td>
<td>60%</td>
</tr>
<tr>
<td>29th through 35th calendar day after the end of the Drop/Add deadline date</td>
<td>70%</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Date of Official Withdrawal</th>
<th>Adjusted Tuition Charges You Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td>36th through 42nd calendar day after the end of the Drop/Add deadline date</td>
<td>80%</td>
</tr>
<tr>
<td>43rd through 49th calendar day after the end of the Drop/Add deadline date</td>
<td>90%</td>
</tr>
<tr>
<td>Thereafter</td>
<td>100%</td>
</tr>
</tbody>
</table>

### 1st and 2nd Summer Semesters

<table>
<thead>
<tr>
<th>Date of Official Withdrawal</th>
<th>Adjusted Tuition Charges You Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st through 3rd calendar day after the end of the Drop/Add deadline date</td>
<td>30%</td>
</tr>
<tr>
<td>4th through 7th calendar day after the end of the Drop/Add deadline date</td>
<td>40%</td>
</tr>
<tr>
<td>8th through 10th calendar day after the end of the Drop/Add deadline date</td>
<td>50%</td>
</tr>
<tr>
<td>11th through 14th calendar day after the end of the Drop/Add deadline date</td>
<td>60%</td>
</tr>
<tr>
<td>15th through 17th calendar day after the end of the Drop/Add deadline date</td>
<td>70%</td>
</tr>
<tr>
<td>18th through 21st calendar day after the end of the Drop/Add deadline date</td>
<td>80%</td>
</tr>
<tr>
<td>22nd through 24th calendar day after the end of the Drop/Add deadline date</td>
<td>90%</td>
</tr>
<tr>
<td>Thereafter</td>
<td>100%</td>
</tr>
</tbody>
</table>

---

**Student Financial Aid**

Student Financial Services  
John F. Morris, Director, Student Services  
Conwell Hall, Ground Floor  
215-204-8760  
www.temple.edu/sfs  
sfs@temple.edu

### Application Procedures

#### Documents Needed to Apply

The only document required is the Free Application for Federal Student Aid (FAFSA). A FAFSA must be filed each year a student expects to receive financial aid. Applications are available at all Student Financial Services (SFS) locations and also may be filed online at [www.fafsa.ed.gov/](http://www.fafsa.ed.gov/). The federal code for Temple University, Main Campus is 003371. Locations and phone numbers for Temple University's SFS offices are listed at [www.temple.edu/sfs/contact.htm](http://www.temple.edu/sfs/contact.htm).

### Application Deadlines

**New Students** -- March 1  
**Continuing Students** -- March 1  
Priority consideration is given to new and renewal applications received by the Federal Processor by this date. Late applicants will be considered, but all funding sources may not be available.

### International Students

The Office of International Services, 215-204-7229, offers limited financial assistance to persons holding non-immigrant visas. Federal regulations limit most financial aid to U.S. citizens or eligible non-citizens, i.e., permanent resident aliens. Questions about immigrant status should be referred to the office.
Academic Requirements

Applicants for Federal, State, and University financial aid programs administered by Temple University must be accepted for admission or currently enrolled as a matriculated student in a degree or certificate program. Exceptions to this requirement are the Federal Stafford Loan or PLUS Loan Programs. A non-matriculated student may be eligible for a Federal Stafford or PLUS Loan if the student is enrolled in a course of study necessary to prepare for admission in a degree or certificate program. Students enrolled in the Qualifying Program have one 12-month period beginning on the first day of the loan period for which the student is enrolled.

Satisfactory Academic Progress

Financial aid funds are restricted to students who make satisfactory academic progress. This is defined as maintaining Academic Good Standing according to University Policy and successfully completing a specified number of credits per academic year based on the student’s enrollment status. Also see Academic Warning, Probation, Dismissal and Reinstatement.

Enrollment Status

Some financial aid programs are restricted to full-time students. Other aid programs are available to both full-time and part-time students. (NOTE: High school students accepted under the Early Admissions Program are not eligible for financial aid until they receive their high school diploma.)

Students should be aware that dropping and adding courses can affect financial aid eligibility, and they must notify the Department of Student Financial Services of any change in enrollment status.

Academic Dismissal/Reinstatement

Eligibility for financial aid, including federal work-study, ends if a student is academically dismissed.

Financial Aid Eligibility -- Need Analysis

Financial aid is offered to students based on financial need. The U.S. Department of Education establishes the federal definition of need. Need is determined by the following formula:

\[(\text{Estimated cost of attendance}) - (\text{Expected Family Contribution}^*) - (\text{Expected Financial Aid}) = \text{Need}\]

*Family contribution is determined by a federal formula based on information reported on the student’s application.

The result of a need determination is met by a combination of awards called a financial aid package. Packages in 2004-2005 generally met 78% of student need, including the Federal Family Educational loans.

Other sources exist that may be available to students for educational assistance. Some of these are private scholarship programs, Cooperative Education programs, Veterans Administration benefits, public assistance, and Social Security benefits. If outside assistance is received, financial aid awarded by the University may be adjusted.

Independent Student Definition

Federal regulations define an independent student if he/she meets one of the following criteria:

1. You were born before January 1, 1983.
2. You are a veteran of the U.S. Armed Forces.
3. You are a graduate or professional student.
4. You are married.
5. You are a ward of the court, or both your parents are deceased.
6. You have legal dependents other than a spouse.

Federal regulations require that a student not meeting the definition of independent apply as a dependent. These students must provide income, asset, and household information for themselves and their parent(s) (including stepparent[s]).

Educational Budget

Financing one’s education takes planning and budgeting. Students should try to plan ahead, anticipating costs and resources, and should request aid for the entire academic year. The basic budget for a year at Temple should include tuition and fees, books and supplies, living expenses, and transportation. Tuition shown in the following example is for undergraduates attending Main Campus. Financial aid awards will be adjusted accordingly for programs having different
tuition rates. The figures in the table are based on estimates from the U.S. Bureau of Labor Statistics. The economy and one's style of living may make actual costs higher or lower.

<table>
<thead>
<tr>
<th>Sample Budgets for 2007-2008 Academic Year</th>
<th>In-state</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$10,802</td>
<td>$18,770</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>$1000</td>
<td>$1000</td>
</tr>
<tr>
<td>Living Expenses/Transportation</td>
<td>$9,300</td>
<td>$9,300</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>$19,836</strong></td>
<td><strong>$27,812</strong></td>
</tr>
</tbody>
</table>

NOTE: Actual rates may vary depending on college, school, program, housing location and meal plan selected. Tuition rate is an estimate at time of printing.

**Financial Aid Notification and Refund Policy**

Applicants are notified of aid eligibility by letter after applications have been reviewed. Financial aid may consist of a combination of grant, loan, and/or work assistance.

Recipients receiving aid in excess of institution charges will receive a refund. Checks are issued according to the University's established schedule, starting immediately after the end of the first week of classes each semester.

**Student Employment**

**Academic Year**

The Federal Work Study (FWS) program at Temple promotes part-time employment of college students with demonstrated financial need. FWS is awarded as part of the student's financial aid package, but the award is not credited to the student's tuition account.

Employment may be within the University or at other public and private non-profit organizations. Each year, the Department of Student Financial Services lists available work-study positions for students in the Job Bank on their website, www.temple.edu/sfs; however, students are responsible for arranging their own employment.

**Summer Sessions**

Summer Federal Work-Study Program awards need-based funds to full-time students currently enrolled in degree or certificate programs. The Student Financial Service Office compiles a list of available positions, but you must arrange your own employment. You must complete a separate Temple Summer Financial Aid application as well as the FAFSA. Both applications are available on the SFS website under the Applying for Aid section, or please call the Student Financial Services Office at 215-204-2244 to request both applications.

**Grants, Scholarships and Loans**

The following grants and scholarships have individual eligibility requirements and procedures. Be sure to read the requirements for each carefully.

**Temple University Grants**

Temple University Grants are institutional funds available to students as a way of supplementing other aid sources. These funds are generally awarded based on need, with priority consideration given to applicants whose FAFSA is received by the federal processor by March 1.

**Temple Scholars Award**

Entering freshmen with excellent high school grades and test scores are offered 4-year academic merit scholarships ranging from $1,000 to $10,000 for up to 4 years of full-time undergraduate study. The award is made by the Office of Undergraduate Admissions at the time of acceptance based on the admission application.
Philadelphia Outstanding Achievement Scholarships

Entering freshmen who live and attend high school in Philadelphia may apply. Recipients are generally in the top 10% of their high school graduating classes. Scholarships are renewable for four years as long as the student maintains a 3.0 GPA. Awards are for either half or full tuition. Students are nominated by their high schools. A University committee reviews the nominees and notifies schools and students of their awards, usually by March 15. Students must apply for admission to Temple by February 15th. Up to three students may be selected from each nominating high school. Interested students should contact their high school principals or guidance counselors by January 1. The following Outstanding Achievement Scholarships have been established to honor former alumni, Board members, and faculty members.

Music Scholarships

Music scholarships are awarded on a competitive basis to students of exceptional musical ability. These awards are given to vocalists participating in the various University choirs and instrumentalists participating in the University Orchestra, bands, and other ensembles. Recipients may matriculate in any of the undergraduate colleges. Prospective applicants should contact the College of Music at 215-204-8301 to arrange for an interview.

Temple University Diamond Bands

Membership in the Diamond Bands is open to all qualifying students from any school, college, or campus of the University. At Temple, the Bands serve the entire student population; membership, therefore, includes not only music majors but also a large proportion of students representing almost every academic area of the University. Scholarships are available to students selected for membership in the Diamond Bands in varying amounts based on participation and musicianship as determined by the College of Music. For further information, contact the Director of Bands, Room 315, Presser Hall, Temple University, Philadelphia, PA 19122 or call 215-204-8321.

Athletic Scholarships

Athletic scholarships are available in all varsity sports. The number of scholarships, requirements, standards, and awards are controlled by Temple University and by the National Collegiate Athletic Association (NCAA). For further information, contact the Department of Intercollegiate Athletics, 215-204-2571.

ROTC Scholarships and grants

See Military Science under the Academic Opportunities section of the Bulletin.

State and Federal Grant Programs

To be eligible for the following grants, students must complete the Free Application for Federal Student Aid (FAFSA).

Pennsylvania State Grant (PHEAA)

The Commonwealth of Pennsylvania funds a grant program for undergraduate Pennsylvania residents who will be matriculated students enrolled full-time (12 or more credit hours per semester) and part-time (6-11 credits) during the academic year. This program is administered by the Pennsylvania Higher Education Assistance Agency (PHEAA).

Non-Pennsylvania residents should check with their respective state agency for state grant information. The U.S. Department of Education provides a full list of higher education agencies by state at the Education Resource Organizations Directory website at http://wdcrobcolp01.ed.gov/Programs/EROD/org_list.cfm?category_ID=SEA.

Students residing in states other than Pennsylvania can contact their state education department directly to inquire about scholarship and grant opportunities. A directory of state educational grant agencies can also be found online through the College Financing Guide website at www.collegefinancingguide.com/directory.html.

Not all state grant programs are transferable if a student is attending a school outside of their home state.

Federal Pell Grants

To be eligible for a Pell Grant, one must be a matriculated student enrolled in an undergraduate degree program who has not earned a bachelor's or professional degree. Notification of awards will be made in the student's award letter.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is a federal grant program administered by the University. Awards are based on exceptional need and availability of funds.
**Student Loans**

**Federal Perkins Loans**
Perkins Loans are made by the University from funds provided by the Federal government. These loans are included as part of the financial aid package. The amount of the loan is based on the student's need and availability of funds.

**Federal Stafford Loans**
Stafford Loans are available to students enrolled for at least six credits per semester. Annual limits are: $2,625 freshman, $3,500 sophomore, and $5,500 all other undergraduate levels. For all undergraduate study, the maximum that may be borrowed is $23,000.

Unsubsidized Stafford loans are available to independent undergraduate students at a variable interest rate. Dependent students may borrow only if the parent(s) is unable to borrow a PLUS. Loans may be requested up to $4,000 for freshman and sophomores and $5,000 for the junior year and above.

**Federal Parent Loans for Undergraduate Students (PLUS)**
PLUS loans are available to the parents of undergraduate students at a variable interest rate. Parents may borrow amounts not to exceed the cost of attendance.

**Nursing Student Loans (NSL)**
NSL are made by the University from funds provided by the federal government. These loans are included as part of the financial aid package. The amount of the loan is based on the student's need and availability of funds. Students may borrow up to $2,500 per academic year.

**Pharmacy Health Profession Loans**
Pharmacy Health Profession Loans are made by the University based on demonstrated financial need. Funds are provided by the federal government. Pharmacy students may borrow a maximum of $2,500 plus the cost of tuition.

**Entrance/Exit Interviews**
Federal law requires that every student borrowing from the programs listed above have an entrance and/or exit interview. During these sessions, a counselor will explain the provisions of loan repayment and deferment options.

Stafford loan funds will not be released without the entrance requirement, and students may not graduate until the exit interview is completed. Any student withdrawing from the University before graduation must contact the Bursar Department at 215-204-6170 to schedule an exit interview. Students failing to do so will have a hold placed on their records.

**School and College Loan Fund**
Loans are available from the University's individual schools and colleges based on financial need and/or other criteria. Students should contact the appropriate Dean's Office or department chair for more information.

**Other Programs**
A number of Temple's schools and colleges have Privately Sponsored Scholarships available for students in their programs. Details may be found in the individual school or college descriptions. In addition to the scholarships available through Temple University, a wide range of scholarships, fellowships, and internships are available on a competitive basis to students during and immediately after their undergraduate careers. The Office of the Vice Provost for Undergraduate Studies provides information about these opportunities and support for students interested in preparing applications. For more information, go to [www.temple.edu/vpus/programs_initiatives/scholarships.htm](http://www.temple.edu/vpus/programs_initiatives/scholarships.htm).

**Student Responsibilities**
Every registered student agrees to abide by an overall set of values, principles and regulations mandated by the University. In order for a student to remain in good standing, it is imperative that each student assumes responsibilities throughout.
his/her enrollment at Temple. Students also have a number of rights which protect their interests. This section details these important responsibilities and rights.

**Academic Honesty**

Temple University believes strongly in academic honesty and integrity. Plagiarism and academic cheating are, therefore, prohibited. Essential to intellectual growth is the development of independent thought and a respect for the thoughts of others. The prohibition against plagiarism and cheating is intended to foster this independence and respect.

Plagiarism is the unacknowledged use of another person's labor, another person's ideas, another person's words, another person's assistance. Normally, all work done for courses -- papers, examinations, homework exercises, laboratory reports, oral presentations -- is expected to be the individual effort of the student presenting the work. Any assistance must be reported to the instructor. If the work has entailed consulting other resources -- journals, books, or other media -- these resources must be cited in a manner appropriate to the course. It is the instructor's responsibility to indicate the appropriate manner of citation. Everything used from other sources -- suggestions for organization of ideas, ideas themselves, or actual language -- must be cited. Failure to cite borrowed material constitutes plagiarism. Undocumented use of materials from the World Wide Web is plagiarism.

Academic cheating is, generally, the thwarting or breaking of the general rules of academic work or the specific rules of the individual courses. It includes falsifying data; submitting, without the instructor's approval, work in one course which was done for another; helping others to plagiarize or cheat from one's own or another's work; or actually doing the work of another person.

The penalty for academic dishonesty can vary from receiving a reprimand and a failing grade for a particular assignment, to a failing grade in the course, to suspension or expulsion from the University. The penalty varies with the nature of the offense, the individual instructor, the department, and the school or college.

Students who believe that they have been unfairly accused may appeal through the School or College's academic grievance procedure. See [Grievances](#) under Student Rights in this section.

**Attendance**

Enrollment in a course presupposes intention to attend regularly. Attendance requirements should be announced by the instructor at the beginning of the course. The student who is absent for any reason is responsible for work missed. If a pattern of excessive absences develops, the instructor may report this fact to the student's advisor through the department in which the student is enrolled.

The student should understand that excessive absences may, at the option of the instructor, jeopardize the grade and/or continuance in the course. Although attendance is basically a matter between the student and the instructor, either may request the counsel of the advisor or the Office of the Dean in special cases.

Students should consult the policies and regulations of their own school or college for any further specifications of attendance policy.

**Clearing Holds**

A hold is an action placed on a student's record. Holds may affect a student’s ability to register for courses, to apply for graduation, or to receive transcript services or degree audit reports.

Students may receive holds on their records for financial, academic, or disciplinary reasons. Students are obligated to resolve holds as quickly as possible, working with their academic advising office, student financial services, or other offices, as appropriate. Academic holds may be caused by failure to declare a major by the appropriate time, low GPA, or failure to make academic progress. Students receiving a "See College Dean" hold should meet with their academic advisor as soon as possible.

**Code of Conduct**

The Temple University [Student Code of Conduct](#) can be viewed at [http://policies.temple.edu/getdoc.asp?policy_no=03.70.12](http://policies.temple.edu/getdoc.asp?policy_no=03.70.12). Printed copies are available at the Dean of Students’ Office.

Temple University has the responsibility to formulate and enforce rules of conduct which are necessary for the furtherance of its educational goals and essential activities. In particular, the University has an obligation to protect itself from any acts which tend to impede, obstruct, or threaten its normal operations. While this authority is inherent, the University attempts...
to delineate its expectations as clearly as possible and publish its regulations. Students, both as individuals and as members of student organizations, are responsible for apprising themselves of, and complying with, all applicable, existing regulations in the Undergraduate Bulletin and any regulations that may be subsequently promulgated through appropriate publications of the University community. Copies of Student Rights, the Code of Conduct, and the Disciplinary Procedure may be obtained from the Office of the Dean of Students and on the website at www.temple.edu/assistance.

The University Disciplinary Committee is responsible for administering the Student Code of Conduct. Violations of the University’s Code of Conduct, including, among other things, theft, underage consumption of alcohol, disorderly conduct, plagiarism, and possession of a weapon, can result in a student being brought before the University Disciplinary Committee. A finding of responsibility may result in a fine, suspension, and/or permanent expulsion from the University. A disciplinary hold is placed on the student’s record until sanctions are fulfilled. The hold prevents students from registering for courses, receiving their transcript or graduating.

**Financial Obligation to the University**

Being a Temple student means incurring a financial obligation to the University. An important part of taking responsibility for your education is to be aware of tuition and fee charges, payment and financial aid procedures, and all relevant deadlines, and to make sure that forms are submitted and bills paid on time. Even if someone else is paying the bills, you are responsible for remaining in good financial standing with the University. Failure to satisfy financial obligations, when due, can result in cancellation of your current registration, denial of the right to register for future sessions, delay in graduation, and withholding of official transcripts and diplomas after graduation.

Your registration for courses is not final until all applicable tuition and fees are processed by the Department of Student Financial Services. For information on registration, its financial aspects, and the impact of registration changes on your financial obligation to the University, please see the Registration section of the Bulletin.

For current tuition rates and fees, see Tuition and Fees in this Bulletin and the Bursar’s Office website at www.temple.edu/bursar/about/tuitionrates.htm.

For information about payment, and about Financial Aid, Financial Aid requirements for satisfactory academic progress, and the impact of registration changes on your eligibility for aid, see Student Financial Aid in this Bulletin and the Student Financial Services website at www.temple.edu/SFS/.

For information on campus housing and meal plans, see Student Support and Services in this Bulletin, and the Office of University Housing website at www.temple.edu/housing.

See your school’s or college’s policies on graduation procedures for information on the impact of unmet financial obligations on clearance for graduation.

**Health and Safety Issues**

**Alcohol Policy**

In accordance with Pennsylvania law, no individual under the age of 21 may possess or consume alcohol on University property. Student organizations may not serve alcohol at campus events. The use of alcohol in the Residence Halls and University-owned housing is covered in the Proprietary Policies developed by the Office of University Housing and in the Student Code of Conduct. Please also see the University’s Student Drug and Alcohol Policy (http://policies.temple.edu/getdoc.asp?policy_no=03.70.01), Student Code of Conduct (http://policies.temple.edu/getdoc.asp?policy_no=03.70.12) and Guide to Residential Life (www.temple.edu/housing).

**Drug Policy**

The unlawful manufacture, distribution, dispensation, possession or use of controlled substances in any facility or work site of Temple University is strictly prohibited. Please see the University’s Student Drug and Alcohol Policy (http://policies.temple.edu/getdoc.asp?policy_no=03.70.01).

**Immunizations**

Under Pennsylvania state law, all students living in University-owned or -operated Housing are required to submit proof of a one-time meningococcal vaccination, or submit a signed waiver. In addition, entering students are strongly advised to submit to Student Health Services proof of two measles immunizations (usually given as MMR), or serologic proof of measles immunity. Other immunizations that are routinely recommended for college students are rubella, mumps,
diphtheria-tetanus, varicella (chickenpox) for those who have not had the disease, and Hepatitis B. Some students may also need Hepatitis A, IPV (polio booster), pneumococcal, or influenza vaccines; check with your doctor.

Students from countries with a high rate of tuberculosis must be screened for the disease. These students will be informed of how to complete this screening. Prior BCG vaccination does not exempt students from this evaluation.

**Medical Fees and Insurance**

Students are responsible for any medical fees incurred outside of Student Health Services, including those incurred at Temple University Hospital. Group medical insurance is offered at the beginning of each semester through the Benefits Office. Full-time students may enroll for health coverage in the months of September (effective September 1) or February (effective March 1). Students are urged to carry this insurance or a comparable policy. Students who are insured should keep in their possession the receipt of the above group policies or identification cards for other policies. All new and continuing international students in both J-1 and F-1 status are required to carry health insurance that meets certain minimum standards determined by the United States Information Agency (USIA). These students will be enrolled in the Low Option of Blue Cross/Blue Shield Plan, as well as the International Group Services Plan. For more information, contact the Benefits Office at 215-204-1321 or go to [www.temple.edu/hr/students/index.html](http://www.temple.edu/hr/students/index.html).

**International Students**

Temple University requires all new and continuing international students in Nonimmigrant Student (both F-1 and J-1) status to carry health insurance that meets certain minimum standards determined by the United States Department of State. For detailed information, please see [www.temple.edu/ois/insur.htm](http://www.temple.edu/ois/insur.htm).

All international students in Nonimmigrant Student (F-1 and J-1) status must maintain their nonimmigrant status insofar as regulations of the United States Citizenship and Immigration Services (USCIS) and the United States Department of State (DOS) are concerned. In general, students in this status must complete a full-time course load each academic term while they remain in the United States and must not accept unauthorized on-campus or off-campus employment. For detailed information, please see [www.temple.edu/ois/maintain.htm](http://www.temple.edu/ois/maintain.htm).

Eligibility for employment for individuals in Nonimmigrant Student (F-1 and J-1) status is based on regulations of the USCIS and the DOS. For detailed information, please see [www.temple.edu/ois/emplelig.htm](http://www.temple.edu/ois/emplelig.htm).

Major medical health insurance is required for all international students in Nonimmigrant Student (F-1 and J-1) status. International students are required to submit to the University’s Benefits Office evidence of coverage by a health insurance policy that meets the minimum coverage required by Temple University (consistent with standards established by the United States Department of State): maximum deductible of $50 per accident or illness; payment of at least 75% of covered medical expenses; maximum benefit of $50,000 per accident or illness; repatriation benefits of no less than $7,500; and medical evacuation benefits of no less than $10,000. Students may also purchase such health insurance upon arrival at Temple University. For further information, please contact the University’s Benefits Office at 215-204-1321 or visit the student insurance information website at [www.temple.edu/hr/students/index.html](http://www.temple.edu/hr/students/index.html).

In addition, international students must demonstrate that they are free of active tuberculosis by submitting to Student Health Services a Tuberculosis Screening Record which has been certified by a licensed physician. International students may meet this requirement upon arrival at Temple University by taking a PPD test at Student Health Services.

A mandatory orientation session is held for new international students at the beginning of each academic term. For more information, please see the Office of International Services website at [www.temple.edu/ois/orientation.htm](http://www.temple.edu/ois/orientation.htm) and the Office of Orientation website at [www.temple.edu/orientation/accepted/orientation_testing/orientation_testing.html](http://www.temple.edu/orientation/accepted/orientation_testing/orientation_testing.html).

For more information about maintaining Nonimmigrant Student (F-1 and J-1) status, please see [www.temple.edu/ois](http://www.temple.edu/ois).

**Registration**

Students must be appropriately registered for courses. Students not on the published grade list may not receive a grade or credit for a course. Use your OWLnet screens to confirm your billing and registration status. If you add or drop a course, or revise your class schedule, check OWLnet to make sure that your registration record is accurate. Be warned, if you are registered for a course but don’t attend, you will be billed for the course, and your instructor should post a final grade of "F."
**Temple E-mail Accounts**

All students are required to obtain a Temple e-mail address and follow guidelines for University use of e-mail; the policy establishes your Temple e-mail account as an approved channel of communication for sending you official University notifications and important information. Visit [https://accounts.temple.edu/](https://accounts.temple.edu/) in order to obtain your account.

---

### Student Rights

**Academic Rights and Responsibilities**

Temple University students who believe that instructors are introducing extraneous material into class discussions or that their grades are being affected by their opinions or views that are unrelated to a course's subject matter can file a complaint under the University's policy on academic rights and responsibilities. The full policy can be found at [http://policies.temple.edu/getdoc.asp?policy_no=03.70.02](http://policies.temple.edu/getdoc.asp?policy_no=03.70.02).

The policy encourages students to first discuss their concerns with their instructor. If a student is uncomfortable doing so, or if discussions with the instructor do not resolve the student's concerns, an informal complaint can be made to the Student Ombudsperson for the student's school or college. Unresolved complaints may be referred to the dean for handling in accordance with the school or college’s established grievance procedure. Final appeals will be determined by the Provost.

---

### Course Syllabus

Instructors are required to supply a detailed syllabus explaining course rules and expectations for courses in which you are enrolled. The content requirements for course syllabi are enumerated on the policy website.

---

### Course and Teaching Evaluations (CATE)

Each course (with few exceptions) is required to employ a standard form for student evaluation of courses and teaching. Please fill out the CATE forms thoughtfully at the end of your course.

---

**FERPA/Privacy Guidelines**

As is required by the Family Educational Rights and Privacy Act (FERPA) of 1974, with certain exceptions, generally Temple University cannot disclose a student’s education records without the written consent of a student or without proof by a parent that the student is dependent on his/her parents for federal income tax purposes.

FERPA provides the following rights for students and for the parents of dependent students, as described above, attending Temple University:

- The right of a student, with minor limitations, to inspect and review his or her education records;
- The right to request amendment of a student's education records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
- The right, with certain exceptions, to consent to disclosures of personally identifiable information contained in the student's education records;
- The right to withhold public disclosure of any or all items of so-called "Directory Information" by written notification to the Office of the Dean of Students within two weeks after publication of this notice. Under current University policy, the item "Directory Information" includes a student’s name, street address, e-mail address, confirmation of enrollment status (full-time/part-time), dates of attendance, degree received, awards received (e.g., Dean's List), major field of study, participation in officially recognized activities and sports, and weight and height of members of athletic teams.
- The right to file a complaint with the United States Department of Education concerning the alleged failure of Temple University to comply with the requirements of FERPA and of the implementing regulations.

The procedures for exercising the above rights are explained in "Temple University's Policy Regarding Confidentiality of Student Records," copies of which are available in the office of the Dean of Students and on Temple's website at [http://policies.temple.edu/ferpa](http://policies.temple.edu/ferpa). Included in this Policy is a description of the types and locations of educational records maintained by the University.

© 2007, Temple University. All rights reserved.
If you or your parents' primary or home language is not English, upon your request, reasonable efforts will be made to provide you with a translated copy of this "Annual Notice," as well as with "Temple University's Guidelines Pertaining to Confidentiality of Student Records."

Please note that, in compliance with a 1997 federal statute designed to advance military recruiting, Temple may release dates of birth to the military unless the student notifies Temple that he or she wishes this information withheld.

**FERPA Waiver:** A student may consent to the release of information from education records to parents, guardians or other appropriate persons. The students may provide the University with their consent by completing the FERPA waiver online via OWLnet (http://owlnet.temple.edu).

**Americans with Disabilities Act (ADA)**
Under the Americans with Disabilities Act (ADA), Section 504 of The Rehabilitation Act of 1973, and Section 508 of the Rehabilitation Act of 1998, Temple University strives to make programs, activities and services accessible for persons with disabilities. Disability Resources and Services (DRS) is the department that facilitates access for students with disabilities at the University. Please see the Student Services section of the Bulletin for detailed information on Disability Resources and Services.

**Protection from Discrimination and Harassment**

**Office of Multicultural Affairs**
Sandra A. Foehl, Director, Affirmative Action Compliance and Investigation
Mitten Hall, Lower Level
215-204-7303/7335
Fax: 215-204-8052
www.temple.edu/omca

**Equal Opportunity:** Temple University is committed to a policy of equal opportunity for all in every aspect of its operations. The University has pledged not to discriminate on the basis of race, color, sex, age, religion, national origin, sexual orientation, marital status, or disability. This policy extends to all educational, service, and employment programs of the University.

Affirmative Action at Temple has these inclusive objectives: To support the admission and successful participation of disadvantaged students, students with disabilities, and those for whom English is a second language; to employ and advance in employment qualified women, minorities, individuals with disabilities, veterans of the Vietnam era, special disabled veterans and other protected veterans.

Temple University's equal opportunity/affirmative action program complies with federal regulations. For more information or to review Temple's Affirmative Action Plan, contact the Office of Multicultural Affairs, Mitten Hall, Lower Level (phone: 215-204-7303).

**Discrimination:** A student or employee who thinks he or she is being discriminated against or harassed because of race, color, gender, sexual orientation, age, religion, national origin, disability, marital status or veteran status should contact the Office of Multicultural Affairs. It is this office's responsibility to help the student file a complaint through the appropriate grievance procedures and attempt to remedy any affirmative action or Title IX problem it discovers in the course of an investigation.

**Sexual Harassment:** Temple University is committed to providing a learning, working, and teaching environment that emphasizes the dignity and worth of every member of its community, free from discriminatory conduct. Sexual harassment in any form or context is inimical to this and will not be tolerated. Sexual harassment subverts the mission and the work of the University and can threaten the career, educational experience, and well-being of students, faculty, and staff. The University recognizes that sexual harassment may occur regardless of the formal position or status of each person involved. Sexual harassment is especially offensive, however, when it occurs in relationships between teacher and student or between supervisor and subordinate. In those situations, sexual harassment exploits unfairly the power inherent in the position of the faculty member or supervisor.

Sexual harassment also constitutes a form of sex discrimination that is illegal under Title VII of the Civil Rights Act of 1964, Title IX of the Elementary/Secondary Education Act of 1972, and state law. In addition to any sanctions that may be imposed by the University for violation of this policy, a person who sexually harasses another person may be held personally liable to the victim and be subject to sanctions independent of those imposed by the University.
Persons who feel they have been the victim of sexual harassment may make a complaint to any Sexual Harassment Ombudsperson. For the names of the Sexual Harassment Ombudspersons designated in a specific school or college, contact the Dean's Office, the Office of Multicultural Affairs (www.temple.edu/omca), 215-204-7303/7335 or the Sexual Assault Counseling and Education Program (www.temple.edu/counseling/services.html#sace), 215-204-7276.

Students, faculty, and staff may bring a formal administrative complaint of sexual harassment by filing a written complaint directly with the University’s Office of Multicultural Affairs and are not required, but are encouraged, to utilize informal resolution procedures before filing a formal complaint.

University policies on sexual assault and harassment, which include procedures for filing complaints, are available from the Office of Multicultural Affairs, Mitten Hall, Lower Level, 215-204-7303 or TTY: 215-204-6772.

**Grievances**

Title IX of the Education Amendments Act of 1972 requires that each college or university establish due process for the resolution of academic grievances. Undergraduate students enrolled at Temple University have the right to appeal any academic or non-academic matter in which they feel they have been treated unfairly.

While each school and college at Temple University has established and adheres to its own grievance procedure, all have in common the following steps:

1. Students attempt resolution through discussion with the instructor.
2. Failing agreement, students present appeals to the Chair of the Department, specifying the nature of the grievance, the result of the previous discussion, and the resolution sought.
3. Failing agreement at the Department Chair level, students may appeal to the Office of the Dean of the College.
4. When appeals warrant review beyond the school or college, students, faculty members, or the dean's office may appeal to the Vice Provost for Undergraduate Studies.

Details that may vary from school to school include the involvement of a student-ombudsperson; the constitution of grievance hearing committees, which may be a part of either step two or three; and time limits, both for students’ filing and for the administrative response.

Students should be advised that filing a formal grievance, that is, beyond the level of the instructor, is serious and should be avoided until all informal methods of adjudication have been used.

For further information on academic grievance procedures, students should inquire in their Dean's office or with an advisor or the student-ombudsperson in the relevant school. For non-academic grievances, further information is available from the Office of the Student Affairs Ombudsperson, Katie D’Angelo, Director, Student Assistance Center, 215-204-8531.

**Instructor Office Hours**

Full-time faculty are required to hold a minimum of three office hours per week and should schedule one hour immediately before or after one of the scheduled class meeting times for each course. Adjunct instructors are required to schedule one office hour per week for each class they teach and should schedule that hour either immediately before or after one of the scheduled class meeting times for that course. Make it a point to talk with your instructors about your academic work and progress.

**Non-Smoking Policy**

Temple University is committed to providing a smoke-free environment for everyone at Temple. All University facilities are designated as non-smoking. In addition, all indoor Temple University-sponsored activities that take place in facilities not owned or operated by Temple University are smoke-free in those areas under Temple’s control. This policy will be enforced according to established University policies and procedures.

**Student Services Office Hours**

All University offices directly serving students will maintain uniform business hours (8:30 a.m. to 5:00 p.m.).
Academic Support

Academic Computer Services

Students can take advantage of a number of first-class technology resources available at Temple University, including the TECH Center, a state-of-the-art technology facility on Main Campus at 12th Street and Montgomery Avenue with over 600 computers available for student use. Software needed for all academic disciplines is centralized in the Center, making it easy for students to find the programs they need. Additional features include specialized multimedia labs, breakout rooms for group study, video served to lab computer desktops, wireless lounge space, EZ-Stop Internet browsing stations, and a Starbucks café. In addition, for the convenience of students, there is 24-hour access to the Center. For more information on the TECH Center, go to [http://techcenter.temple.edu](http://techcenter.temple.edu).

The Computer Services Help Desk is also located in the TECH Center. At the Help Desk, professional consultants offer technical assistance on a wide range of computer topics. To obtain assistance, students can stop by the Help Desk on the first floor of the TECH Center, call 215-204-8000, or send e-mail to [help@temple.edu](mailto:help@temple.edu).

In order to use the computer resources at the TECH Center as well as Temple's numerous applications and systems available online, you will need your AccessNet username and password. With this login information, you can gain entry to the TUportal website ([http://tuportal.temple.edu](http://tuportal.temple.edu)), a single gateway to the University's most popular services, including TUmial, Blackboard, OWLnet, Diamond Dollars, the Cherry & White Pages, My Backpack, and My Housing.

TUmial is an integrated e-mail system accessible anywhere on the Internet to students using a Web browser or software such as Microsoft Outlook or Netscape Mail. The Blackboard system enables faculty and students to share coursework materials and discuss topics online. OWLnet allows students to review course prerequisites and register for classes, view rosters, check grades, view account balances and financial aid information, and pay bills, all on the Web.

For up-to-date information on the rapidly-changing nature of technology at Temple, including wireless access and security awareness initiatives, go to the Computer Services website at [www.temple.edu/cs](http://www.temple.edu/cs).

For the locations of Computer Services Help Desks at Ambler, Fort Washington, Tyler, TUCC and the Health Sciences Center, go to the Walk-In Support section of the Computer Services website ([www.temple.edu/cs/helpdesk/contact/walkin.htm](http://www.temple.edu/cs/helpdesk/contact/walkin.htm)).

In Fall 2006, Ambler Campus opened its new Ambler Learning Center, a state-of-the-art facility incorporating smart classrooms, wireless technology, new computer labs/classrooms, breakout room and study lounges.

Advising

It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor reviews the proposed coursework and attempts to keep students informed of the requirements for graduation. In addition, the advisor helps the students achieve breadth in the curriculum and provides other assistance needed.

Academic advisors strive to avoid errors when advising students about program requirements, although the college cannot assume liability for errors in advising. Students must, therefore, assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Students are required to meet with an advisor when they do not meet the academic standards set by their college. See the Academic Policies section of the Bulletin, called [Probation and Dismissal](http://www.temple.edu/cs/helpdesk/contact/academic.htm), for detailed information.

Each school, college, and campus of the University offers a range of academic advising for students. Professional advisors and/or faculty advisors help students plan curriculum, choose majors, make vocational and post-graduate plans, and resolve a variety of academic issues. Students should consult the specific advising unit in their colleges and schools for services and policies that apply to them. Please refer to your school or college section of this Bulletin for locations and specific information about these units.

Some of the services offered by the advising centers are:

- New Student Orientation for freshmen and first semester transfer students.
- Curriculum advising for continuing students who have completed fewer than 30 credit hours. Students with a declared major and more than 30 credits should see their school or college Advising section of this Bulletin to determine advising policies that apply.
• Students enrolled in the University Honors Program may also be advised in the Honors Office in Tuttleman Learning Center until they have completed 60 semester hours with the exception of the Fox School of Business and Management. All other students are advised in their departments.

• Registration Assistance for students. This includes online processing of original registrations and/or schedule revisions, and course withdrawals through the ninth week of the spring/fall semester and the third day of the summer sessions.

• Academic counseling for students to develop a meaningful education plan compatible with life goals. Through contact with departmental faculty, students gain an in-depth appreciation of a specific discipline and discover opportunities associated with their field of interest. Students can also meet with advisors to discuss a variety of academic concerns and develop some possible solutions. Students experiencing academic difficulty work with advisors to learn strategies for overcoming the obstacles to success.

• The advising centers help students understand the policies and procedures that are integral to achieving a successful and fluid transition through university life. This includes such things as Academic Progress Reports, Academic Good Standing, Grievance procedures, registration policies, etc.

• Intra-University Transfer (IUT) Advising for students changing programs or campuses at Temple.

• Withdrawal and Readmission interviews.

• Graduation Reviews for students entering their senior year.

• Petition Requests are initiated by the advising center on behalf of the student and include: attending another university for a semester or summer course, grading in one course on a credit/no credit system, registering for an overload, evaluating life experience credit and credit by examination, reviewing of transfer credit evaluation, considering DARS exceptions, and receiving approval for an exception to policy.

• Referral to other services. Advisors make referrals to such services as financial aid, career development, counseling, tutoring, disability services, testing, etc.

• Preparation for Registration. Advisors aid students in the period during the fall and spring semesters when currently enrolled students register. Prior to the processing of their registrations, students should meet with advisors to review their DARS documents and discuss course selections for the upcoming semester. DARS for all students are available on the Web through OWLnet.

**Degree Audit Reporting System (DARS)**

Debbie Bennett-Kenney, DARS and Transfer Systems Coordinator
Sheila Brogden, DARS Encoder
dars@temple.edu
www.temple.edu/vpus/advising/dars

DARS stands for the Degree Audit Reporting System. Students and advisors can use DARS both to track and plan students’ academic progress toward completion of an undergraduate degree in their declared or proposed major. DARS shows students how their Temple University courses, transfer courses, and courses in progress apply toward degree requirements. It enables a student to explore alternative academic programs and gives detailed and accurate information about the student's academic record.

DARS is updated every week on the second business day. Students can access and print out their individual DARS document through OWLnet. Students can learn more about DARS at the DARS website, including how often the reports are updated, information about how to interpret the DARS, general resources available in the DARS office, and general information about the system.

**Pre-Professional Health Studies Advising and Programs**

Neida Pérez, Ed.M., Director
Pre-Professional Health Studies Advising Center
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
www.temple.edu/healthadvising

The Pre-Professional Health Studies Advising Center at Temple University serves undergraduates interested in developing an academic and co-curricular profile that will increase their success in post-graduate and professional endeavors. The Center provides academic advising, co-curricular, and professional development opportunities for students interested in preparing to go to professional school in:

• Dentistry
The Pre-Professional Health Studies Advising Center provides advising support for students to help them identify their academic strengths and interests and the paths that will best prepare them to fulfill their career aspirations within the health professions. Specifically, the Center provides:

- individual, group, and electronic advising to help students identify tracks and programs best suited to their interests in the health care profession;
- seminars, colloquia, and speakers on issues and concerns central to understanding the complexities of the health care profession in the twenty-first century;
- student organizations focused on health care issues and concerns that students can get involved in early and stay involved in throughout their undergraduate career; and
- information on opportunities for internships, service learning, and other experiential learning activities key to the professional development of the individual interested in a career in the health-care profession.

All entering, transfer and current students with an interest in applying to health professional schools are strongly encouraged to develop an alternative plan, which might include exploring opportunities in the health care profession in the following areas:

- Communication Sciences
- Health Information Management
- Kinesiology
- Physical Therapy
- Physical Assistant
- Speech & Language Pathology
- Occupational Therapy
- Public Health
- Therapeutic Recreation
- Social Work in Health

**Post-Baccalaureate Program in Health Professions**
This program is designed to help recent college graduates prepare to enter professional schools in medicine. The ideal candidate is a recent college graduate with a strong academic record in a field other than science. This is not a remedial program or a program for those wishing to raise their academic records. The core program consists of four year-long courses: General Chemistry, Organic Chemistry, General Biology and General Physics.

Standard Temple University undergraduate tuition schedules and fees apply. Financial aid loans are available for qualified students. For more information contact the Director.

**The Temple MedScholars Program**
The Temple MedScholars Program provides outstanding students provisional admission to the Temple University School of Medicine at the same time they are accepted into Temple University. As Temple MedScholars, students will spend their undergraduate years in Temple's Honors Program; after completing their bachelor's degrees, they will begin their professional medical training in the Temple University School of Medicine, leading to the degree of Doctor of Medicine.

The Temple MedScholars Program is highly competitive. Successful candidates will have strong academic records (high school GPA 3.75 or higher) with 4 years of math and science, a combined SAT score of 1350+, superior letters of recommendation, and an articulate, thoughtful essay. Participation in an interview day is required. Successful candidates are expected to demonstrate a genuine understanding of, and dedication to, the medical profession.
The University Libraries
Larry P. Alford, Dean of University Libraries
215-204-8231
http://library.temple.edu/

The Temple University Libraries form an extensive network of services and resources to support the educational and research needs of the University's students and faculty.

The combined collections include more than 3 million volumes and 27,000 current serial subscriptions, and over 300 research databases, as well as extensive collections of microforms, maps, photographs, and audiovisual materials.

Special collections include the Urban Archives, which document the development of the Philadelphia metropolitan area since the mid-19th century; the Blockson Afro-American Historical Collection; the Rare Books and Manuscripts Collection; the Contemporary Culture Collection; the Science Fiction and Fantasy collections; the Philadelphia Dance Collection, and the University Archives. As a participant in the Federal Depository Library Program, the library receives 68 percent of the publications issued by the U.S. Government Printing Office. It is also a depository for all official publications of the Commonwealth of Pennsylvania.

Information retrieval: Research databases, full text resources, the online catalog, electronic reference, and other information and services are at library.temple.edu. The online catalog (diamond.temple.edu) lists library holdings and course reserves and their circulation status, and links directly to selected electronic course reserve materials.

Expert assistance in using the library resources is provided by reference staff. Students are introduced to basic information literacy skills through TILT, a self-paced online tutorial, the completion of which is a requirement of the University's Core Curriculum for all incoming first-year and transfer students. Librarians also provide user education classes tailored to individual courses. Individual questions are answered in person, as well as by phone, e-mail, online chat, and IM.

When local resources do not supply needed material, Temple students and faculty may directly request books from other universities and colleges through the E-Z Borrow Program, or request article copies and books through the Temple Libraries' interlibrary loan service.

Locations:
The resources of the University Libraries are housed in Paley Library (the main library) and in a number of separate facilities serving specific disciplines and campus locations. Hours and information for the following are on the Libraries' website.

- Ambler Library, 580 Meetinghouse Road, Ambler, PA 19002, 267-468-8640
- Charles L. Blockson Afro-American Historical Collection, Sullivan Hall, Main Campus, 215-204-6632
- Harrisburg Library, 234 Strawberry Square, Harrisburg, PA 17101, 717-232-6400
- Health Sciences Center (HSC) - Kresge Library, Kresge Building, HSC Campus, 215-707-4557
- Health Sciences Center (HSC) - Charles E. Krause Library of Podiatric Medicine, School of Podiatric Medicine, 8th and Race Streets, Philadelphia, PA, 215-629-0300
- Health Sciences Center (HSC) - South Library, Old Dental School Building, HSC Campus, 215-707-2850
- Law Library, Charles Klein Law Building, Main Campus, 215-204-7981
- Paley Library, 1210 W. Berks Street, Main Campus, 215-204-8211
- Science, Engineering and Architecture Library, College of Engineering Building, Second Floor, Main Campus, 215-204-7828
- Tyler School of Art Library, Beech and Penrose Avenues, Elkins Park, PA 19027, 215-782-2849

Reading rooms and libraries are also maintained by several academic programs. The following facilities are located on the Main Campus:

- College of Liberal Arts Educational Technology Center, AL-21 Anderson Hall, 215-204-8265
- Esther Boyer College of Music Alice Tully Library, Rock Hall, 215-204-5531
- Esther Boyer College of Music Listening Library, 100 Presser Hall, 215-204-8338
- Social Science Data Library, 863 Gladfelter Hall, 215-204-5001
The Math and Science Resource Center (MSRC)

Mona Zaoudeh, Director
1810 Liacouras Walk, Rooms 201 and 208
215-204-8466
www.temple.edu/msrc

Hours of Operation for Fall and Spring Semesters:
Monday, Tuesday & Wednesday - 8:30 a.m. - 7:30 p.m.
Thursday, 8:30 a.m. - 6:30 p.m.
Friday, 8:30 a.m. - 2:30 p.m.
Saturday, closed
(Summer I and II hours of operation can be found on the MSRC website)

The Math and Science Resource Center's (MSRC) mission is to create a dynamic, effective learning environment for Temple undergraduate students. The MSRC provides academic services and resources for a range of courses from mathematics and statistics to biology, chemistry and physics. The services and resources are available to all students: those who are experiencing difficulties in a course, as well as those already excelling academically.

The MSRC offers individual tutoring throughout the semester to help students learn and master math and science course content. MSRC tutors are graduate and upper-level undergraduate students majoring in Biology, Chemistry, Mathematics, Physics, Statistics and related fields. These tutors receive special training to develop effective tutoring strategies in their specific field of study. This training prepares tutors to help students, especially those new to University-level courses, overcome their difficulties. Students who are unable to visit a tutor during the MSRC's hours of operation can receive tutoring via the Internet at www.temple.edu/msrc. A tutor will review questions submitted via this website and respond within 24 hours.

In addition to tutoring services, the MSRC provides an array of resources to help Temple students achieve their academic goals. Tutors use sample problem sets approved by academic departments to conduct exam review sessions that emphasize fundamental principles introduced in the classroom. At the end of each semester, final exam review sessions are provided for classes with high enrollments. During these sessions, tutors reinforce material presented during the course and address specific questions students may have.

The MSRC has a fully-equipped computer laboratory/classroom designed for working in mathematics and science, and for assisting other students who are working on web-based assignments or need to use specialized software such as Matlab or Maple. The workstations have both color and laser printers to produce finished, high-quality assignments. The MSRC also has a Laptop Loaner Program so that students can access online assignments and software while working with a tutor. In addition to the computer laboratory, the MSRC also has a resource library where students may borrow materials, such as textbooks, student solutions manuals, reference books, and programmable calculators.

A valid Temple student ID is all that is needed to use any of the MSRC's resources or services. Visit the MSRC office or website (www.temple.edu/msrc) for up-to-date announcements and resources.

The Russell Conwell Educational Services Center

Michael Stokes, M.Ed., Director
1700 N. Broad Street, Room 202
215-204-1252
michael.stokes@temple.edu
www.temple.edu/rcc

If you want to enhance your leadership skills, chart a career path, do better academically, review/prepare for a class, or prepare for graduate school, come to the Russell Conwell Center (RCC). The RCC is a network of programs providing comprehensive academic support, professional development, and leadership training to facilitate student retention and graduation and to help students prepare for their future careers. The RCC provides individualized services to students and fosters a supportive community where students can explore their interests, build skills, and seek the assistance they need to achieve their goals. Throughout the academic year, specialized assessments, educational workshops, tutorial services, certificate skill proficiency programs, professional development seminars, peer mentoring, leadership enrichment, and academic counseling are offered to students. The RCC also has six computer labs and a laptop loan program for student use. The RCC employment program hires numerous students as tutors, Assistant Teachers, and instructors during the year. Furthermore, the RCC serves as the home of the Supplement Scholarship Committee, providing annual scholarships to over 100 Temple University students. In addition to serving students during the academic year program, the RCC offers...
develop their teaching pedagogy, and begin the process of identifying their target graduate programs. During the second year, students serve as Research Fellows, where they complete a faculty-guided research project and attend a Graduate School Preparatory Seminar. During both years, students live in the residence halls during the Summer Program, take a GRE preparation seminar, and attend professional student conferences. Students culminate their summer participation by presenting their research at the McNair Scholars Summer Research Conference, as well as additional conferences throughout the nation. McNair Scholars will receive a stipend during their program participation, as well as Summer Room and Board. For more information contact Nathan Knispel at 215-204-3245 or by visiting the office at 1700 N. Broad St., Room 202.

Freshman Admission Programs to the Russell Conwell Center [Act 101, Educational Services Component, and Student Support Services, which is funded by the U.S. Department of Education]:
These three RCC programs provide academic support and retention services for freshmen or current students who seek to achieve academic success, build leadership, join a supportive community, or participate in educational and cultural programs. The RCC programs offer extensive leadership opportunities for students to strengthen their skills and learn strategies and concepts, while applying their skills in various leadership experiences. The mission, objectives and services of the three programs are essentially the same, with the primary distinctions established by state or federal requirements as outlined by the different funding sources. Students admitted by the Temple Office of Undergraduate Admissions and assigned to the RCC begin their university experience during a six-week Summer Bridge Program prior to their fall enrollment. Upon successful completion of the Summer Bridge Program, students matriculate as Temple University freshmen in the fall semester and receive advisement, academic support and service from the RCC throughout their undergraduate career. The Summer Bridge Programs provide academic skill preparation in mathematics, technology, English, and library skills, along with academic assessment and counseling to facilitate students’ successful transition into the collegiate academic, social, and cultural milieu, creating a foundation for academic excellence. Students currently attending Temple can join the RCC by contacting Janice Kersey Boyd at 215-204-3245 or by visiting the office at 1700 N. Broad St., Room 202.

Graduate School Preparation Program [Ronald E. McNair Post-Baccalaureate Achievement Program, funded by the U.S. Department of Education]:
This graduate school preparation program is designed to prepare twenty (20) sophomore, junior and senior students for successful entry into, and graduation from, a doctoral program. Prospective participants must aspire to enroll in a future Ph.D. program and have an interest in teaching at the collegiate level. In addition, students must be a first-generation college student with a low-income economic status (as defined by the U.S. Department of Education), or be from a group that is underrepresented in graduate education. Students will participate in a simulated graduate school experience during the academic year and summer. The Program seeks a two-year commitment from students. In the first year, students serve as Teaching Fellows, where they assist a faculty member in teaching a course in "Intellectual Heritage," research and develop their teaching pedagogy, and begin the process of identifying their target graduate programs. During the second year, students serve as Research Fellows, where they complete a faculty-guided research project and attend a Graduate School Preparatory Seminar. During both years, students live in the residence halls during the Summer Program, take a GRE preparation seminar, and attend professional student conferences. Students culminate their summer participation by presenting their research at the McNair Scholars Summer Research Conference, as well as additional conferences throughout the nation. McNair Scholars will receive a stipend during their program participation, as well as Summer Room and Board. For more information contact Nathan Knispel at 215-204-8023 or stop by the McNair office at 617 Ritter Annex.

Pre-College Programs [Upward Bound and Math Science Upward Bound Programs, both funded by the U.S. Department of Education]:
The Upward Bound and Math Science Upward Bound Programs prepare Philadelphia high school students for successful entry into, and graduation from, college. During the academic year and six-week Summer Program, students participate in numerous activities, including academic enrichment; enroll in mathematics, English and science classes; attend workshops; and receive tutorial services and leadership development. A full range of academic assessment and counseling is also provided with a focus on academic, career, financial and personal development. Students are guided through the career development process to understand and select appropriate majors, leading to a career that matches their interests, skills, and abilities. Students also receive SAT preparation throughout the program. During the Summer Program, students reside on campus at Temple University during the week to gain insight into, and experience the nuances of, college life. In addition, the programs assist students in developing their leadership and public speaking skills, while sponsoring field trips, college tours and site-visits to educational, cultural, and science-related institutions. Students in the Math Science Upward Bound Program spend their summer preparing a biological, mathematical or technological research proposal that is presented at the Summer Science Symposium. This research proposal is then conducted during the academic year and presented at the city-wide George Washington Carver Science Fair. For more information contact Michael Stokes at 215-204-5544 or Kevin Jenkins at 215-204-7653 or stop by the office at 1700 N. Broad St., Room 202.

Tutoring Services
Tutoring at no charge is available in the following schools, colleges, and departments:
Main Campus and Health Science Campus

Accounting
382 Speakman Hall
215-204-8110

Alliance for Minority Participation (AMP) Bridges to Baccalaureate Program
A306 Barton Hall
215-204-4550

College of Health Professions
1316 Ontario St.
Jones Hall, Room 518
215-707-8214

Economics
626 Ritter Annex
215-204-8880

Engineering
Engineering and Architecture Building, Room 323
215-204-7818

Finance
205F Speakman Hall
215-204-8451

French
Anderson Hall, Room 512
215-204-8266

Intellectual Heritage
215A Anderson Hall
215-204-1770

Kinesiology (formerly Physical Education)
Tutoring is available to students enrolled in 1223 or 1224, Anatomy and Physiology.
215-204-1947

Management Information Systems
29 Speakman Hall (BizTech lab)
http://gefund.temple.edu/tutor

Mathematics and Sciences Resources Center (MSRC)
Walk-in basis, no appointments necessary
1810 Liacouras Walk, Room 201 & 208
215-204-8466
www.temple.edu/msrc/
Online tutoring available at www.temple.edu/msrc/OnlineTutoring.html

Pharmacy, School of
Tutorials available for undergraduate students in the School of Pharmacy.
3307 N. Broad Street, Room 141
215-707-4900

Praxis Tests
Office of Student Services
College of Education
215-204-6010

© 2007, Temple University. All rights reserved.
Risk Management and Insurance (RMI)
479 Ritter Annex
Tutoring is available for RMI 2101

Russell Conwell Educational Services Center
Group and individual tutoring are available in numerous courses upon request; there is also the opportunity to join ongoing, structured study sessions.
1700 N. Broad, Room 202
215-204-1251
www.temple.edu/rcc

Social Administration, School of
New Career Ladders in Social Work
521 Ritter Annex
215-204-7611
William Thompson, Communication Skills Instructor
650 Ritter Annex
215-204-6029

Statistics
203 Speakman Hall
215-204-8144
Ambler Campus, 123 West Hall
267-468-8200

University Writing Center
201 Tuttleman Learning Center
215-204-0702
www.temple.edu/writingctr

Ambler Campus

Office of Academic and Career Development
109 West Hall
267-468-8200

Statistics
123 West Hall

Mathematics/Science
102 Learning Center

Writing
102 Learning Center

Center City Campus

Statistics
Second Floor, 1515 Market St.

Other Tutoring Sources

- Instructors may be able to recommend tutors, often graduate students working toward master’s or doctoral degrees in the department.
- Departmental offices generally have lists of qualified tutors available to work with undergraduates.
- The Student Assistance Center, first floor, Student Center, Main Campus, maintains a list of students available to tutor in a variety of subjects. These tutoring services often are available for a nominal hourly fee, arranged with the tutor.
- At the Ambler campus, the Office of Academic and Career Development, 109 West Hall (267-468-8200), maintains information about tutoring services.
The University Writing Center
Lori Salem, Director
www.temple.edu/writingctr

Locations and Hours:

Main Campus
Hours: Monday – Thursday, 8:30 a.m. to 8:30 p.m.
Friday, 8:30 a.m. to 4:30 p.m.
Saturday 10:00 a.m. to 4:00 p.m.
201 Tuttleman Learning Center
215-204-0700

Ambler Campus
Call 267-468-8204 for hours
102 Learning Center

The University Writing Center provides services to students and faculty across the University. These services include tutoring, workshops, and seminars, as well as a computer classroom. Many of these services, including tutoring, are accessible online through the Center's website. All services are free-of-charge to Temple students and faculty. Tutoring services are offered on a drop-in basis or by appointment.

Center staff include faculty, graduate students, and advanced undergraduates from a variety of fields and disciplines, including history, English, philosophy, education, and honors. All are selected based on their demonstrated writing ability and teaching aptitude. Staff participate in regular professional development sessions.

Services for Students
Students can work one-on-one or in small groups with Center staff on writing being done for any course. They may also bring writing being done outside of course work. Tutors work with students at any stage of a writing project, from planning and drafting to revising and editing. They encourage students to focus on specific aspects of their writing, such as organization, sentence clarity, or paragraph structure. Writing Center staff cannot edit students' papers for them.

Students who come to the Center for tutoring can also make use of the Center’s computer lab. They can use desktop publishing software to write and print papers; plan, outline, revise, edit, and proofread; and format and generate bibliographies and citations. The lab is connected to the Internet; students may access the Web and all library research facilities. Help is available for using these technologies. The lab also includes hardware and software designed to assist students with disabilities.

The Center maintains an interactive website. Students can access and download resources and handouts, and they can also access online tutoring. Students can submit papers or questions to the e-mail tutoring service, and they will receive a reply from a tutor within 24-36 hours.

Services for Faculty
Faculty teaching a writing or writing-intensive course can request an in-class writing workshop on a wide variety of topics. The writing workshops are interactive, and they are tailored to specific courses and assignments. To request a workshop, faculty can call the Center or access the Center's website.

Faculty can also request a Writing Fellow to support their teaching in writing-intensive courses. Writing Fellows are specially selected graduate and upper-division undergraduate students who are carefully trained to work as peer tutors. Fellows are paired with writing-intensive courses in the disciplines, and they provide tutoring for all students in those classes.

The Center maintains an extensive library of resource materials. Faculty can request books and articles related to the teaching of writing in the disciplines. The Center's website offers resources organized by course.

Faculty teaching writing-intensive courses are invited to request use of the Center’s state of the art computer classroom. This 27-station classroom is organized in a seminar style, with access to projection and to the Internet. Technical support for faculty using this facility is also available.

© 2007, Temple University. All rights reserved.
Career Development Services
Chet Rispoli, Ed.D., Director
2nd Floor, Mitten Hall
215-204-7981
215-204-4462 (Fax)
www.temple.edu/careerdev

Career Development Services (CDS) assists students and alumni in all phases of the career development process, including career self-assessment, career exploration, the job search, and success on the job. Students are encouraged to begin their career assessment and exploration as early as their freshman year. Career counseling and advising is offered, as well as online assessments through the Myers Briggs Type Indicator (MBTI) and the Strong Interest Inventory. Lots of valuable information about career choices and career paths can also be obtained in the CDS Online Career Library. Full-time, part-time, seasonal, co-op, internship, and other experiential learning opportunities are posted online at www.temple.edu/careerdev. They can be accessed by students anytime, anywhere!

Workshops are held regularly throughout the semester on a broad range of career-related topics, including résumé writing, interview techniques, the job search, career decision making, selection of a major, and many others. Each semester, a University-wide career fair attracts hundreds of quality employers to the spacious Liacouras Center.

Cooperative Education
Cooperative Education (Co-op), which links classroom instruction with practical application in the workplace, is coordinated by Career Development Services.

Extern Program
The Extern program is an optional work experience/career education program designed to aid students in making better-informed career decisions based on practical experience and self-assessment. It is sponsored by Career Development Services. Students accepted into the program receive individualized career counseling, on-the-job experience, and academic assignments. Students are placed as volunteers with organizations in areas that complement their career objectives and/or fields of study. Participating students receive 2 or 3 academic credits.

On-Campus Recruitment
The On-Campus Recruitment Program brings a wide range of top-notch employers to campus to interview Temple students. On the day of the appointment, both students and employers meet in the CDS Interview Suite right on campus. It’s easy, convenient, and very effective. Often, employers hold information sessions prior to their scheduled interview day; students are strongly encouraged to attend. Check out the website at www.temple.edu/careerdev/employer_on-campus_rec.htm, or stop by the CDS office for further details.

Internships
CDS posts a wide range of Internship opportunities that may or may not provide academic credit or pay but are great opportunities to explore the job market and gain valuable experience in your field.

Disability Resources and Services
John Bennett, M.S., Director
100 Ritter Annex
1301 Cecil B. Moore Avenue
215-204-1280
215-204-1786 (TTY)
215-204-6794 (Fax)
www.temple.edu/disability

Attending a University can be exciting and challenging for any student, and equally so for students with a disability. However, students with a disability have told us they have extra considerations, some of which they can sort out themselves and some for which they may need assistance. Disability Resources & Services is here to assist you in ensuring your disability does not obstruct your academic success.

© 2007, Temple University. All rights reserved.
We have over 30 years experience in supporting students with a disability and have a team of knowledgeable staff ready to assist you.

It is estimated that 8% of University students have some kind of disability. Students with a disability include those with physical, visual, hearing, medical, psychological, and learning disabilities. The largest groups of students who use our service are those with learning disabilities and attention-deficit hyperactivity disorder.

Temple University provides the following support services to students with a disability:

- Pre-College Prep Information
- Intake Assessment
- Campus Accessibility
- Placement Exam Accommodations
- In-Class Support Services
  - Note-taking
  - Testing Accommodations
  - Alternate Format Materials
  - Sign Language and CART Services
- Access to Assistive Technology
  - Screen Readers
  - Text to Speech Software
  - Speech to Text Software
  - Alternate hardware – keyboard, mouse, etc.
  - Assistive Listening Devices
- Accessible Housing Options
- Scholarship Information and Resources

We strive to ensure disability does not become an obstacle to academic success for any student who chooses Temple University. Contact Disability Resources & Services and allow us to work with you in ensuring your educational experience is barrier free.

Disability Resources & Services is a confidential service.

Check out our website www.temple.edu/disability and see how we can assist you.

**Campus Recreation**

Steve Young, M.Ed., Director
Suite 102, McGonigle Hall
1800 N. Broad Street
215-204-1267
215-204-3223 (Recreation Hotline)
215-204-3800 (Fax)
campusrec@temple.edu (e-mail)
www.temple.edu/campusrec

Campus Recreation (formerly called Recreation Services) is the coordinating office for recreational sports programs at Main Campus. Over 2,800 students, faculty, and staff participate daily in one or more of the various activities offered by this department. These activities include intramurals (men's, women's, co-rec, and open), sports clubs, informal recreation, special events and programs, group fitness, adapted recreation, aquatics, and student staff development. Each of these programs is designed for active participation and enjoyment and can provide hours of fun, fitness, and friendship.

Two first-class facilities are available to accommodate a wide range of recreational opportunities. The 59,000 square foot Independence Blue Cross Student Center provides participants with a first-class environment for fitness conditioning, aerobics, martial arts, and racquetball; the Center has an indoor jogging track and an outdoor multi-purpose court. The Student Pavilion is a 52,000 square foot space which provides opportunities for activities such as basketball, volleyball, badminton, indoor tennis, table tennis, indoor soccer, and indoor flag football as well as an indoor golf driving range. Additionally, the Pavilion Complex includes a sand volleyball court and seven outdoor lighted tennis courts. One of the tennis courts has a special surface that accommodates rollerblading and in-line hockey. Other amenities also include day...
lockers and equipment check-out.

All of Campus Recreation's aquatics programs are held in Pearson Hall Pools 30 & 31. Pool 30 is available for scheduled recreational swimming hours with some specific hours identified for lap swimming only. Other aquatics events throughout the semester include: Splash into Shape, Water Aerobics, and the Aquatics Fear Factor.

**Intramural Sports and Sport Clubs**

The Intramural Program is designed to provide you with a flexible, yet structured, environment in which to participate. Sport activities include basketball, flag football, floor hockey, indoor and outdoor soccer, softball, and volleyball. They are administered in league format with various divisions servicing men’s, women’s, informal, and co-recreational teams. Teams and individuals must formally register for activities. Specific guidelines can be found in the current Intramural Handbook. Sport Clubs are groups of individuals who share a common interest in a sport activity and have gained University recognition via registration procedures governed by Campus Recreation. Clubs differ in scope and purpose, as some are highly competitive, while others are more social in nature. The key element to the club program is that it is student-initiated and organized, with an emphasis placed on participation and interest in the same activity. There are currently eighteen active clubs, including men's and women's rugby, men's and women's lacrosse, bowling, cricket, indoor rock climbing, equestrian, diving, swimming, roller hockey, men's volleyball, tae kwon do, ice hockey, fencing, women's field hockey, tennis and karate. Additional clubs may be added pending feasibility and registration guidelines.

For further information, visit the Campus Recreation Office, call 215-204-1267, or visit the department website at [www.temple.edu/campusrec](http://www.temple.edu/campusrec).

**International Services/International Students**

Martyn J. Miller, Ph.D., Director
Office 203B
1700 N. Broad Street
215-204-7708
215-204-6166 (Fax)
[www.temple.edu/ois](http://www.temple.edu/ois) and [www.temple.edu/ielp](http://www.temple.edu/ielp)

International Services (OIS) provides service and support to Temple University's international students, scholars and researchers. Contributing to Temple's intellectual and cultural diversity, the international student and scholar community represents more than 120 countries and offers a unique opportunity to expand one’s cultural and academic horizons. To accomplish its mission, International Services generates all legal documents required for non-immigrant students and scholars; provides advisory and counseling services; serves as a liaison to University departments, U.S. and foreign government agencies, and the greater community; facilitates the assimilation of international students and scholars into the larger Temple community; and contributes to the international community’s cross-cultural understanding and appreciation. Detailed information on programs and services offered by OIS is available from the office in 1700 N. Broad St. or the office’s website at [www.temple.edu/ois](http://www.temple.edu/ois).

Through its [Intensive English Language Program](http://www.temple.edu/ois), this office also provides English-language training to individuals seeking to improve their English language skills to prepare for admission to Temple University or other universities or colleges whose primary language of instruction is English.

Temple University requires all new and continuing international students in Nonimmigrant Student (both F-1 and J-1) status to carry health insurance that meets certain minimum standards determined by the United States Department of State. For detailed information, please see [www.temple.edu/ois/insur.htm](http://www.temple.edu/ois/insur.htm).

All international students in Nonimmigrant Student (F-1 and J-1) status must maintain their nonimmigrant status insofar as regulations of the United States Citizenship and Immigration Services (USCIS) and the United States Department of State (DOS) are concerned. In general, students in this status must complete a full-time course load each academic term while they remain in the United States and must not accept unauthorized on-campus or off-campus employment. For detailed information, please see [www.temple.edu/ois/maintain.htm](http://www.temple.edu/ois/maintain.htm).

Eligibility for employment for individuals in Nonimmigrant Student (F-1 and J-1) status is based on regulations of the USCIS and the DOS. For detailed information, please see [www.temple.edu/ois/emplelig.htm](http://www.temple.edu/ois/emplelig.htm).

Major medical health insurance is required for all international students in Non-immigrant Student (F-1 and J-1) status. International students are required to submit to the University’s Benefits Office evidence of coverage by a health insurance policy that meets the minimum coverage required by Temple University (consistent with standards established by the
United States Department of State): maximum deductible of $500 per accident or illness; payment of at least 75% of covered medical expenses; maximum benefit of $50,000 per accident or illness; repatriation benefits of no less than $7,500; and medical evacuation benefits of no less than $10,000. Students may also purchase such health insurance upon arrival at Temple University. For further information, please contact the University’s Benefits Office at 215-204-1321 or for detailed information, please see www.temple.edu/hr/students/index.html.

In addition, international students must demonstrate that they are free of active tuberculosis by submitting to Student Health Services a Tuberculosis Screening Record which has been certified by a licensed physician. International students may meet this requirement upon arrival at Temple University by taking a PPD test at Student Health Services.

A mandatory orientation session is held for new international students at the beginning of each academic term. For more information, please see the Office of International Services website at www.temple.edu/ois/orientation.htm and the Office of Orientation website at www.temple.edu/orientation/accepted/orientation_testing/orientation_testing.html.

For more information about maintaining Nonimmigrant Student (F-1 and J-1) status, please see www.temple.edu/ois.

SARS

Temple University has adopted a policy on Severe Acute Respiratory Syndrome (SARS), which may be viewed at http://policies.temple.edu/getdoc.asp?policy_no=04.64.11.

Department of Intercollegiate Athletics

www.owlsports.com/

The Department of Intercollegiate Athletics is committed to pursuing excellence at the Division I-A level and providing opportunities for its diverse student-athletes to maximize their athletic, academic and life-skill potential. The Department provides high-level coaches and administrators, whose goal is to instill a winning attitude on and off the field of play through core values such as teamwork, leadership and service to others. As one of the most visible messengers of the Temple story, the Department of Intercollegiate Athletics strives to be a unifying force for the University with the city of Philadelphia, The Commonwealth of Pennsylvania, as well as the nation. Temple University is a proud member of the National Collegiate Athletic Association, the Atlantic 10 Conference, and the Mid-American Conference for Football.

Office of the Associate Dean of Students

Kathryn D’Angelo, M.S., Associate Dean
318 Student Center
215-204-8531
215-204-3287 (Fax)
www.temple.edu/assistance/

The Associate Dean of Students Office comprises the Office of Orientation and New Student Programs, the University Disciplinary Committee and Judicial Affairs, as well as our three Student Media outlets: Temple News, Templar and WHIP, our student-run radio station. We are committed to being the best resource to help students and their families develop into successful members of the Temple University community. As an office of peer consultants and professionals, we achieve this by orienting new students and their families, administering the disciplinary process, advising student media, and cultivating a culture of service leadership and civic responsibility.

Student Health and Wellness

Student Health Services
1810 Liacouras Walk, Fourth Floor
215-204-7500
215-204-4660 (Fax)
www.temple.edu/studenthealth

Student Health Services strives to promote a high standard of health among Temple University students through programs in preventive medicine and health education, in addition to diagnosis and treatment of injury and illness. Care providers include doctors, nurse practitioners, and nurses. Services offered at the Main, Ambler, Tyler, and Health Sciences Center campuses include basic medical care, an immunization/allergy injection clinic, family planning services, and a self-care center. Other services offered at Main Campus include nutritional consultation and HIV testing.

© 2007, Temple University. All rights reserved.
**Student Health Fee**

Students are charged a fee each semester during the academic year to help subsidize the basic diagnostic and treatment services provided by health care providers at all four campus locations. There are charges for services not covered by the Student Health Fee such as dispensed medications, orthopedic supplies, and immunizations. Office laboratory tests can be performed at Tyler, Ambler, and HSC offices, while more extensive laboratory testing is available at the Main Campus office. Please check the Student Responsibilities section for further information on health fee and insurance.

**Tuttleman Counseling Services**

John DiMino, Ph.D., Director
Lower Level, Sullivan Hall
215-204-7276
215-204-5419 (Fax)
[www.temple.edu/counseling/](http://www.temple.edu/counseling/)

TCS is a comprehensive provider of mental health services to Temple’s student population. Our mission is to support and enhance the psychological functioning of our students and thereby support the academic mission of the University. It is recognized that our students are dealing with a variety of major life issues as they pursue their education. These include separation and individuation, identity formation, relationships, affiliation, and career choices. In addition, some students come to us with prior mental health histories and medication needs.

TCS is first and foremost a provider of individual, couple, and group counseling services. This foundation provides students with support and guidance for a wide variety of problems, from adjustment issues and transitory difficulties to more serious psychological problems and even severe mental illness. In addition, TCS staff provides a full range of preventative services through orientation, outreach programs, and workshops. Whenever possible, we seek to help students avoid or reduce self-harm that may stem from making poor choices. All of our services are geared toward increasing self-awareness, understanding, and problem-solving skills that serve our students throughout their lives.

TCS provides services in the following areas:

**Psychological Services:** Psychological Services is staffed by licensed psychologists who provide brief individual, couple, and group counseling, as well as referral, consultation, and educational workshops. Some common issues that are addressed, either individually or in groups, include:
- relationship problems
- stress, depression, anxiety
- eating disorders
- loss and/or grief
- procrastination
- shyness
- academic performance
- career decisions
- family problems
- sexuality and sexually-transmitted diseases
- gay, lesbian, bisexual, and transgender issues
- racism
- sexism
- vocational counseling

The Psychological Services staff will also assist students in locating resources and other services available on campus or in the city that are specific to their needs.

**CERT (Conflict Education Resource Team):** CERT, a peer education program supervised by psychological services staff, exists to assist in the resolution of conflict and to provide information regarding the nature and value of conflict. In addition to offering educational workshops and programs, CERT provides free conflict mediation and coaching to students who wish to find alternatives to resolve conflicts such as roommate disputes, organizational or club conflict, borrowing or lending disputes, family conflict, and more. These services are available by appointment.

**Psychiatric Services:** Psychiatric Services is committed to caring for the mental health needs of Temple University students by providing psychiatric evaluations, medication consultations, and short-term individual psychotherapy. The psychiatrist also responds to referrals from other TCS units and serves as a liaison to the Health Sciences Center. Students are seen by appointment, except in emergency situations when immediate care is required.
CASA (Campus Alcohol and Substance Awareness): The Campus Alcohol and Substance Awareness (CASA) program is a comprehensive program focusing on all aspects of alcohol and other drug use and abuse. The CASA program is staffed by certified addictions counselors who work with students individually and in groups. CASA also sponsors a group of trained peer educators who offer workshops and other educational activities. These workshops emphasize positive decision-making and alternatives to alcohol and other drug use. Several anonymous recovery groups, including AA, NA, and ACOA, meet regularly on Temple's campus.

SACE (Sexual Assault Counseling and Education): Recognizing that college students are often at risk for sexual assault, harassment, and other forms of interpersonal violence, the SACE program plays a pivotal role in changing attitudes and myths about violence through education and workshops within the University community. In addition, the program provides resources for workshops, participation in curriculum development, and coordination of services for survivors of assault. The SACE staff provides crisis intervention, survivor advocacy, individual counseling, and groups for survivors of assault, child sexual abuse, domestic violence, and sexual harassment. SACE also utilizes peer educators who provide student support and training throughout the year. All services are confidential.

Hours are 8:30 a.m. to 5:00 p.m., Monday - Friday. The staff also provides onsite services at the Ambler and Tyler campuses. Students are seen by appointment except in emergency situations when immediate care is required. Services are free and confidential for all registered students.

Please call 215-204-7276 for more information.

Temple Health Empowerment Office (THEO): The Temple Health Empowerment Office’s mission is to provide comprehensive wellness education, resources, and prevention services to empower and support Temple University students in making informed, healthier choices and achieving academic success. Our goal is to create an environment in which students feel comfortable to stop by and talk about any health-related issue. Topics include sexual health, HIV or other sexually-transmitted infections, safer sex, stress management, tobacco cessation, nutrition and general wellness. All services are provided by certified peer educators and full-time health education staff.

THEO is located in the Lower Level of Mitten Hall. We offer free and confidential individual or group health-empowerment support on the Ambler, Main, Health Sciences Center, and Tyler campuses, as well as condoms at a discounted price to all Temple students, faculty and staff.

Educational outreach services include: workshops for campus communities, information campaigns, and a resource center with brochures, books, videos, and Internet access. If you are interested in becoming a THEO peer educator or volunteer, please stop by the office or call us at 215-204-THEO or e-mail us at theo@temple.edu. Check out our website at www.temple.edu/theo.

Academic Opportunities

Experiential Learning

Internships
215-204-7981
www.temple.edu/careerdev

Internship programs at various schools and colleges provide students with opportunities to gain experience in their chosen profession before they graduate from college. Internships not only give students a chance to practice the skills acquired in the classroom but also help them strengthen their résumé and establish contacts in their professions. For further information on available opportunities, students should contact their respective schools and/or Career Development Services.

The Office of the Vice Provost for Undergraduate Studies also provides information about internship opportunities. For more information, go to www.temple.edu/vpus/programs_initiatives/internships.htm.

Externships

The Extern program is an optional work experience/career education program designed to aid students in making better-informed career decisions based on practical experience and self-assessment. It is sponsored by Career Development Services. Students accepted into the program receive individualized career counseling, on-the-job experience, and
academic assignments. Students are placed as volunteers with organizations in areas that complement their career objectives and/or fields of study. Participating students receive 2 or 3 academic credits.

For more information, contact Career Development Services at 215-204-7981 or visit www.temple.edu/careerdev.

Community-Based Learning
Michele O’Connor, Assistant Vice Provost for First Year and Transfer Programs
500 Conwell Hall
215-204-5662
michele.oconnor@temple.edu

Community-Based Learning (CBL) is a pedagogy that links necessary work conducted in community contexts to academic study in a rigorous, intentional, and meaningful fashion. It heightens the relevance of academic subjects by directly linking classroom learning to experiences in communities which may be defined by geography, affinity, or organization. Examples include: service learning; community-based research; community-based planning and design; community-based performance, and other artistic initiatives.

This pedagogy is designed to foster civic responsibility and dialogue, encourage personal growth and critical reflection, create relationships across difference, and enhance academic learning for college students. CBL must always benefit community members and organizations in a spirit of mutual partnership. (Adapted from AAHE materials 1993)

Community Service
Monica Hankins-Padilla, Assistant Director for Community Relations
Office of Community Service
Community Education Center
1509 Cecil B. Moore Avenue, Second Floor
215-204-7505
monica.hankins@temple.edu
www.temple.edu/community_service/

Temple Volunteers, the University’s Office of Community Service, is dedicated to providing students with the resources and guidance necessary to immerse themselves in action for positive social change. As a team of administration, staff, and student leaders, we work to establish strong relationships within and beyond the Temple campus through community service. Temple Volunteers offers everything from one-day service activities to long-term opportunities and alternative break programs. For more information, visit www.temple.edu/community_service.

First Year Programs
Michele O’Connor, Assistant Vice Provost for First Year and Transfer Programs
500 Conwell Hall
215-204-0550
michele.oconnor@temple.edu

Jermaine Williams, First-Year Programs Coordinator
500 Conwell Hall
215-204-7596
jermaine.williams@temple.edu

Patti Vorndran, Transfer Programs Coordinator
500 Conwell Hall
215-204-0550
vorndran@temple.edu

First-Year Student Seminars
First-Year Student Seminars are academic courses designed to support student learning and development in the critical first semester of college. The Freshman Seminar can be taken as part of a Learning Community or as a stand-alone course. College-specific seminars are offered by the College of Science and Technology and the School of Communications and Theater.
The Freshman Seminar, *Learning for the New Century*, a 1-credit course, assists students in making a successful transition to the University by helping students frame academic and life goals, develop successful study habits, and learn to function as an active member of the community.

*Learning for the New Century* is open to any interested freshmen. The seminar is offered on both the Main and Ambler campuses.

**First-Year Reading Project**

As part of the First-Year Reading Project, all entering freshmen are asked to read a common book. The goals of the project are to provide a common intellectual experience for entering students; bring students, faculty and members of the Temple community together for discussion and debate; and promote cross-disciplinary thinking and dialogue in learning communities, freshman seminars, and other first-year courses where the text might be discussed. Each year, a committee consisting of Temple faculty, undergraduates, and staff select the summer reading book. Entering freshmen learn about the project during their Orientation visit and receive resource materials developed for the project.

**Learning Communities**

A Learning Community consists of two or more linked courses designed to provide students with a more integrated and meaningful learning experience. Learning Communities foster an intellectual environment where learning can flourish and help smooth the transition to college by providing an opportunity for students to form bonds with fellow first-semester students who are in these same classes.

Many learning communities include a section of the first-year student seminar *Learning for the New Century*. Several Learning Communities meet Core, or foundational, academic requirements and are available in many undergraduate schools and colleges.

Learning Communities are designed primarily for the first semester college freshmen but are open to all first- or second-year students, including transfers. Some colleges or majors require freshmen to register for a community, while others strongly recommend it. During New Student Orientation, an academic advisor will help students select the learning communities which best meet their academic interests and needs.

In the fall 2003 edition of *U.S. News and World Report's America's Best Colleges*, Temple's Learning Communities Program was ranked fifth in the country as an exemplary academic program that leads to student success.

**Transfer Students**

The newsletter, *TRANSITIONS*, is sent to new transfer students through Temple e-mail at the start of each semester. The newsletter provides an overview of policies, procedures, programs and academic opportunities that are available to all Temple students.

**Online Learning**

Dr. Dominique Monolescu Kliger, Director  
665 Ritter Annex  
215-204-3943  
http://oll.temple.edu

The OnLine Learning (OLL) Program is a designed to give students a remote high quality education, providing them more flexibility in when and how they attend classes. Courses are offered at the undergraduate and graduate levels and also for continuing education students.

Matriculated students can register online via the OWLnet website (http://owlnet.temple.edu). Non-matriculated students must register through the Office of Continuing Education at 1810 Liacouras Walk, First Floor, Room 101 (215-204-2500). Non-matriculated students can obtain their registration forms online (www.temple.edu/conted) and submit them by fax to 215-204-2516. For more information, check the OnLine Learning Program website.

Each week a student will probably receive a week's worth of assignments and discussion materials from a listserv or via the Blackboard course management tool. Therefore, becoming familiar with e-mail, Internet browsing, and chat features before enrolling in an online course is very helpful.

The OnLine Learning Program provides access to over one hundred courses via the Internet or via Videoconferencing formats. In addition to the Fox School of Business online MBA program, the Physical Therapy Doctor's program and the Organizational Studies undergraduate program are now also available online.
For successful completion of an online course, students are recommended to have daily access to a computer with a fast Internet connection (DSL or Cable type of connections are recommended). Visit the OLL Program website for more information.

Pre-Professional and Pre-Graduate Programs

Pre-Law Program
Temple offers undergraduates a wide range of courses, programs of study, and majors that will contribute to their preparation for law school and for a career in the legal or a related profession. Beginning with special sections of the First-Year Seminar designed specifically for the pre-law student, Temple undergraduates will find numerous opportunities to sharpen their critical thinking, reading and writing skills, both in and out of the classroom. Interested students can participate in the Mock Trial Team, get involved in the pre-law organizations (Phi Alpha Delta and the Pre-Law Society), or undertake an internship in the Philadelphia area. Speakers on legal issues, on careers in law, and on preparing for the LSAT provide additional opportunities for the Temple student to learn more about the study of law and prepare for the intellectual challenges ahead.

Entering first-year students can apply for the TempleLaw Scholars Program, and early assurance program offered by Temple University's Beasley School of Law. See the Special Admissions Programs section of the Bulletin for details.

Pre-Professional Health Studies
Neida Perez, Ed.M., Director
Pre-Professional Health Studies Advising Center
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
www.temple.edu/healthadvising

The Pre-Professional Health Studies Advising Center at Temple University provides advising, counseling, and application support for students interested in preparing for a career in a health-care profession. The Center assists students in their academic and experiential preparation for programs in dentistry, medicine, optometry, pharmacy, podiatry, and veterinary medicine. Beginning with special sections of the First-Year Seminar designed specifically for students interested in preparing for a career as a health-care professional, Temple undergraduate students will find numerous opportunities both in and out of the classroom to develop the knowledge, skills, and experiences to prepare them for their future endeavors. Pre-professional health studies students will find a variety of volunteer opportunities to get involved in and around the Temple University community. Temple offers research opportunities in a wide range of academic disciplines of interest to pre-professional health studies students, and funding is available to support undergraduate research and travel to conferences to present.

Entering first-year students can apply for the TempleMed Scholars Program, an early assurance program offered by Temple University's School of Medicine. See the Special Admissions Programs section of the Bulletin for details.

McNair Program
Nathan Knispel
215-204-8023

The Russell Conwell Center's Ronald E. McNair Post-baccalaureate Achievement Program provides extensive pre-doctoral preparation for eligible undergraduate students. Students complete a faculty-mentored research project, assist in teaching an Intellectual Heritage course, receive exhaustive graduate school preparation, and present their research at multiple conferences. Students receive a stipend during their participation. For more information, contact Nathan Knispel at 215-204-8023, visit the McNair office at 617 Ritter Annex, or see the Academic Support section of the Bulletin.

Military Science
Paul W. Riley, Lieutenant Colonel
Ritter Hall, Lower Level
215-204-7480/4453
fax: 215-204-7481
www.temple.edu/rotc
Through a curriculum offered by the Temple Department of Military Science, qualified full-time students can earn a commission as an Active Duty, Reserve, or National Guard Officer, while concurrently satisfying academic requirements for a baccalaureate or graduate degree. Interested students not convinced that a career in the military is right for them can also learn more about how The Army of the United States selects and trains its future leaders and conducts operations on a day-to-day basis.

Military Science courses are open to all Temple students. There is no requirement for students taking Military Science courses to enroll in the commissioning program. Students taking Military Science courses are under no military service obligation of any kind if not enrolled in the commissioning program.

Students enrolled in the commissioning program incur either an active duty or reserve forces duty commitment commencing upon successful completion of the ROTC Advanced Course program and graduation from college. Temple's Department of Military Science offers both two-year and four-year curricula leading to a commission in the United States Army.

**Army Reserve Officers' Training Corps (AROTC) Four-Year Commissioning Program**

The Four-Year Program consists of two phases: the Basic Course and the Advanced Course.

In the Basic Course, the student takes one Military Science course each semester during the freshman and sophomore years. This instruction orients the student to activities frequently encountered during military service. Though students may voluntarily participate in weekend exercises and ROTC-sponsored events, they are under no obligation to do so. Additionally, students enrolled in the Basic Course are under no obligation for present or future military duty.

During the Advanced Course (normally the junior and senior years), the student receives instruction designed to enhance leadership abilities; reinforce managerial, supervisory, and accountability skills; and further develop the individual's foundation of military knowledge. The highlight of this instruction is the student's attendance at the five-week ROTC National Advance Leadership Course, usually during the summer between the junior and senior years. The camp is a series of rigorous leadership challenges in which the Temple student competes against students from 272 other colleges and universities. Advanced Course students (enrolled in the commissioning program) receive a tax-free stipend (juniors - $450.00 per month and seniors - $500 per month) each year of the Advanced Course. When students complete the Advanced Course, they are obligated to accept a commission as a Second Lieutenant and upon graduation from college, incur either an active duty or reserve forces duty service commitment in the United States Army.

**Two-Year Commissioning Program**

The Two-Year Program consists of the Advanced Course and is open to any qualified full-time graduate or undergraduate student who has at least two years of academic study remaining at Temple University and has completed the Basic Course or its equivalent. Basic Course equivalency can be granted for prior active or reserve military service. Additionally, Temple students can receive this equivalency by attending a five-week ROTC Leadership Training Camp at Fort Knox, Kentucky, during the summer. Following successful completion of this challenging program, the student is eligible to enter the ROTC Advanced Course. Students attending the Leadership Training Camp incur a military obligation, and they are required to enroll in the ROTC Advanced Course. Students of exceptional academic accomplishment may qualify for Basic Course Placement Credit without being required to attend Leader Training Camp. If you are a Sophomore or Junior with between 54-65 credit hours complete, please contact us for additional information at 215-204-7480/4453/2482.

**Scholarships**

The Military Science Department administers the Army Scholarship Program, which includes numerous options. The scholarships are awarded based on local and national competitions and are for four, three, and two years. The scholarships pay tuition or room and board, an allowance for books and lab fees, and a monthly stipend that varies between $350 to $500 a month. The scholarships are awarded based on academic merit, and a student need not be enrolled in Army ROTC to apply. Inquiries should be directed to Mrs. Jackie Hankins-Kent, Administrative Officer, Department of Military Science/ROTC, Ritter Hall - Lower Level, Room 4A, 215-204-7480/89622.

**Course Offerings**

(F = offered Fall semester; S = offered Spring semester)

<p>| Military Science (Army ROTC) | |
|---|---|---|
| <strong>Basic Courses</strong> | |
| 1001 | Introduction to Military Science I | 1 s.h. F |
| 1001L | Leadership Lab | F |
| 1002 | Introduction to Military Science II | 1 s.h. S |
| 1002L | Leadership Lab | S |</p>
<table>
<thead>
<tr>
<th>Year</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>Small Unit Operations and Leadership I</td>
<td>1 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>2001L</td>
<td>Leadership Lab</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td>2002</td>
<td>Small Unit Operations and Leadership II</td>
<td>1 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>2002L</td>
<td>Leadership Lab</td>
<td></td>
<td>S</td>
</tr>
<tr>
<td></td>
<td><strong>Advanced Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3001</td>
<td>Applied Leadership and Management I</td>
<td>2 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>3001L</td>
<td>Leadership Lab</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td>3002</td>
<td>Applied Leadership and Management II</td>
<td>2 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>3002L</td>
<td>Leadership Lab</td>
<td></td>
<td>S</td>
</tr>
<tr>
<td>4001</td>
<td>Advanced Leadership and Management I</td>
<td>2 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>4001L</td>
<td>Leadership Lab</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td>4002</td>
<td>Advanced Leadership and Management II</td>
<td>2 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>4002L</td>
<td>Leadership Lab</td>
<td></td>
<td>S</td>
</tr>
</tbody>
</table>

### Military Science Course Descriptions

For the full description of each course, please click on the following link: [www.temple.edu/bulletin/ugradbulletin/ucd/ucd_military.html](http://www.temple.edu/bulletin/ugradbulletin/ucd/ucd_military.html).

Enrollment is open to all students, but full participation in some of the military training is limited to students enrolled in the commissioning program. Contact the Military Science Department for details.

### Military Science Faculty

Paul W. Riley, Lieutenant Colonel, Professor of Military Science and Department Chair, B.B.A. - University of Rhode Island, Kingston, RI; M.A. - Providence College, Providence, RI (e-mail: pwriley@temple.edu)

Marco Young, Lieutenant Colonel, Military Intelligence, Assistant Professor of Military Science/Battalion Executive Officer, B.S. - Drexel University (e-mail: marco.young@temple.edu)

William J. Griffin, Major, Assistant Professor of Military Science, B.S. - St. Leo University, Saint Leo, FL (e-mail: wgriffin@temple.edu)

R. Brock Schultheis, Major, Assistant Professor of Military Science, B.S. - Mansfield University, Mansfield, PA (e-mail: brocks@temple.edu)

James J. Lampe, Master Sergeant, Commandant of Cadets and Senior Military Instructor

Michael W. Woody, Sergeant First Class, Operations NCO

### Aerospace Studies - Air Force Reserve Officers' Training Corps (AFROTC)

Department of Aerospace Studies
Saint Joseph's University
5600 City Line Ave.
Philadelphia, PA 19131
610-660-3190
rotc@sju.edu
www.det750.com

AFROTC objectives are to:

- recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the U.S. Air Force;
- provide college-level education that qualifies cadets for commissioning in the U.S. Air Force; and
- develop each cadet's sense of personal integrity, honor, and individual responsibility; enhance knowledge of how the U.S. Air Force serves the national interest; increase understanding of officer professionalism in the U.S. Air Force; and develop potential as a leader and manager.

© 2007, Temple University. All rights reserved.
Temple University offers a program of study leading to a commission as a Second Lieutenant in the United States Air Force by agreement with Saint Joseph’s University’s Department of Aerospace Studies. All Aerospace Studies courses are held on the Saint Joseph’s University campus. Credits will be transferred to Temple, appear on the official transcript, and count towards the student’s overall GPA. The AFROTC program enables college students to earn a commission as an Air Force officer while concurrently satisfying requirements for his or her baccalaureate degree.

The Department of Aerospace Studies offers one-year, two-year, three-year, and four-year curricula leading to a commission as a Second Lieutenant in the Air Force. In the four-year curriculum, a student takes the General Military Course (GMC) during the freshman and sophomore years, attends a four-week summer training program, and then takes the Professional Officer Course (POC) in the junior and senior years. A student is under no contractual obligation to the Air Force until entering the POC or accepting an Air Force scholarship. In the three-year curriculum, a student attends a six-week summer training program and then enters the POC in the junior year. In the two-year curriculum, a student attends a six-week summer training program following the spring semester of their junior year.

The subject matter of the freshman and sophomore years is developed from a historical perspective and focuses on the scope, structure, and history of military power, with the emphasis on the development of air power and its relationship to current events. During the junior and senior years the curriculum concentrates on the concepts and practices of leadership and management, and the role of national security forces in contemporary American society.

In addition to the academic portion of the curricula, each student participates in a 2-hour Leadership Laboratory each week. During this period the day-to-day skills and working environment of the Air Force are discussed and explained. The Leadership Lab utilizes a student organization designed for the practice of leadership and management techniques.

Air Force ROTC offers scholarships for one, two, three, and four years on a competitive basis to qualified applicants. All scholarships are applied to tuition and lab fees, and include a textbook allowance, plus a tax-free monthly stipend which varies from $250 to $400, depending on graduation date.

**Course Offerings**

(F = offered Fall semester; S = offered Spring semester)

<table>
<thead>
<tr>
<th>Aerospace Studies (Air Force ROTC)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1011 The Foundation of the United States Air Force I</td>
<td>1 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>1021 The Foundation of the United States Air Force II</td>
<td>1 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>1031 The Evolution of U.S. Air and Space Power I</td>
<td>1 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>1041 The Evolution of U.S. Air and Space Power II</td>
<td>1 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>2011 Air Force Leadership Studies I</td>
<td>3 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>2021 Air Force Leadership Studies II</td>
<td>3 s.h.</td>
<td>S</td>
</tr>
<tr>
<td>2031 National Security Affairs I</td>
<td>3 s.h.</td>
<td>F</td>
</tr>
<tr>
<td>2041 National Security Affairs II</td>
<td>3 s.h.</td>
<td>S</td>
</tr>
</tbody>
</table>

For a full description of each course in Aerospace Studies, please click on the following link:  

**Naval Reserve Officers’ Training Corps**

Director, Naval Science Department  
University of Pennsylvania  
NROTC Unit  
417 Hollenback Building  
3000 South St.  
Philadelphia, PA 19104-6399  
215-898-7436  
Fax: 215-573-2067  
[navrocr@pobox.upenn.edu](mailto:navrocr@pobox.upenn.edu)  
[www.vpul.upenn.edu/nrotc](http://www.vpul.upenn.edu/nrotc)

Temple students are eligible to participate in the Naval Reserve Officers’ Training Corps (NROTC) through a cross-enrollment agreement with the University of Pennsylvania. All naval science courses are held on the University of Pennsylvania’s campus.
Pennsylvania campus. The NROTC Program enables a college student to earn a commission in the Navy or the Marine Corps while concurrently satisfying requirements for his or her baccalaureate degree. Scholarship and non-scholarship programs are available.

Navy-Option scholarship and College Program (non-scholarship) students must enroll in Naval Science (NSCI) 0101 and 0102 during their freshman year, NSCI 0202 and 0301 during their sophomore year, NSCI 0201 and 0401 in their junior year, and NSCI 0302 and 0402 in their senior year. Those seeking commissions in the Marine Corps will enroll in NSCI 0101, 0102, 0202, 0310, 0410, and 0402. Tailored programs are available for students wishing to join NROTC after the start of their freshman year and before the beginning of their junior year.

Navy scholarship program students must complete one year of calculus (recommended for College Program students, not required for Nurse Corps candidates), one year of calculus-based physics (recommended for College Program students, not required for Nurse Corps candidates), one course in cultural awareness (waivers for Nurse Corps candidates may be available on a case-by-case basis), one course in American military history or national security policy (not required for Nurse Corps candidates), and one year of English. College Program students must complete one year of college-level algebra, one year of physical science courses, one computer science course, and one year of English. Marine-Option students are only required to complete one course in American military history or national security policy. Students must check with their naval science instructors to determine specific courses that fulfill the above requirements.

In addition to the above, all students are required to attend a 2-hour professional laboratory period scheduled on Wednesday afternoons (no academic credit) that emphasizes military drill, physical fitness, professional performance, and leadership topics.

### Course Offerings

<table>
<thead>
<tr>
<th>Naval Science (Navy ROTC)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Courses</strong></td>
<td></td>
</tr>
<tr>
<td>0100</td>
<td>Naval Science Drill (0 course unit)</td>
</tr>
<tr>
<td>0101</td>
<td>Naval Orientation (1 course unit)</td>
</tr>
<tr>
<td>0102</td>
<td>Seapower &amp; Maritime Affairs (1 course unit)</td>
</tr>
<tr>
<td>0201</td>
<td>Engineering (1 course unit)</td>
</tr>
<tr>
<td>0202</td>
<td>Leadership &amp; Management (1 course unit)</td>
</tr>
<tr>
<td>0301</td>
<td>Navigation I (1 course unit)</td>
</tr>
<tr>
<td>0302</td>
<td>Navigation II (1 course unit)</td>
</tr>
<tr>
<td>0310</td>
<td>Evolution of Warfare (1 course unit)</td>
</tr>
<tr>
<td>0401</td>
<td>Weapons (1 course unit)</td>
</tr>
<tr>
<td>0402</td>
<td>Leadership &amp; Ethics (1 course unit)</td>
</tr>
<tr>
<td>0410</td>
<td>Amphibious Warfare (1 course unit)</td>
</tr>
</tbody>
</table>

For a full description of each course in Naval Science, please click on the following link: [www.temple.edu/bulletin/ugradbulletin/ucd/ucd_naval.html](http://www.temple.edu/bulletin/ugradbulletin/ucd/ucd_naval.html).

**International Programs and Study Abroad**

Denise A. Connerty, Director of International Programs
200 Tuttleman Learning Center
215-204-0720
[www.temple.edu/studyabroad](http://www.temple.edu/studyabroad)

International education takes many forms at Temple: learning other languages, studying for a semester or year in one of Temple's programs abroad, building an international concentration into a major, or enrolling in special programs such as the Latin American Studies Semester. Students should consult school/college and course descriptions for further information on international and language studies at Temple's Philadelphia campuses.

Study abroad is one of the most rewarding and beneficial experiences available to Temple students. The opportunity to gain firsthand understanding of other cultures and languages through study abroad is personally enriching, and adding an international dimension to one's education enables students to understand better and put into context global issues and international events. Study abroad can last for a semester, an academic year, or a summer. Temple offers a number of study abroad programs for Temple students and those from other universities. Students receiving financial aid can usually...
apply most sources of aid to study abroad fees. The International Programs Office can provide students with information and applications for Temple programs abroad.

Study abroad staff also assists students in planning and carrying out study abroad for non-Temple programs. A resource library of information concerning fellowships and grants for overseas study and research, as well as materials describing various study programs and universities abroad, is available to members of the Temple community. Information on work and travel abroad is also available.

Several grants, including Fulbright scholarships for graduate study abroad, are administered by International Programs. In addition, advising is available concerning a variety of other options for financing study abroad.

Students interested in receiving more information about study abroad should contact International Programs, 215-204-0720.

**Study Abroad - Academic Year / Temple University, Japan Campus (TUJ)**

Kirk Patterson, Dean

TUJ is the Tokyo campus of Temple University. Founded in 1982, TUJ is the oldest and largest foreign university in Japan and has developed into a nationally recognized institution offering an extensive range of educational programs. With an enrollment of 2,980 students and a faculty of 180, TUJ offers B.A. degrees with majors in American studies, art, Asian studies, business administration, communications, economics, general studies, international affairs, political science, psychological studies, and tourism and hospitality management. TUJ also offers A.A. degrees, an M.B.A., a Master of Science in Education and Doctor of Education in TESOL (Teaching English to Speakers of Other Languages), and a Masters of Law.

American undergraduate students may study at Temple Japan for a semester, year and/or summer, choosing from a broad range of courses in Liberal Arts, Asian Studies, and Japanese language. Internships are also available. Regular Temple faculty on assignment from Philadelphia teach in the program along with visiting professors from other universities and special faculty hired in Japan. English is the language of instruction.

To enrich the students’ exposure to Tokyo and enhance their understanding of Japanese culture, TUJ organizes several optional field trips and excursions each semester. These include half-day excursions to sites in and around Tokyo; day and overnight excursions are also arranged.

TUJ is ideally located in central Tokyo in Minato-ku. Just twenty minutes walking distance from Roppongi, one of Tokyo's major entertainment districts, Minato-ku is home to several embassies, shops, and restaurants. Students have the option of securing their own housing or of taking advantage of housing offered by TUJ. Information about application procedures, costs, financial aid and scholarships is available from International Programs.

**Study Abroad - Academic Year / Temple University London**

Erin Palmer
School of Communications and Theater
13E Annenberg Hall
215-204-6535

The School of Communications and Theater offers both semester and summer programs in London. These programs are open to all Temple students, no matter what their major, as well as those from other universities. Recent course offerings have included Literature of London in the 19th Century, Politics and the British Press, British Mass Media, Contemporary British Theater, British Documentary Film, and Modern British History. Internships are also available. Some background in media and/or theater is assumed, as courses are at an advanced undergraduate level. Guest speakers and field trips enrich the curriculum.

Accommodation in shared, self-contained flats is usually arranged by the program.

**Study Abroad - Academic Year / Temple University Rome**

Kim D. Strommen, Dean

Temple has its own campus in Rome which offers courses in architecture, landscape architecture, international business, liberal arts, and visual arts. Each semester, students from Temple and other universities study in Rome in courses designed to take advantage of the city's rich resources.
The Temple University Rome Dean oversees the academic program and arranges for student support services. A distinguished teaching faculty, both European and American, provides a first-rate educational experience. All courses are part of Temple's regular undergraduate and graduate curricula and carry full academic credit. Students who have not studied Italian previously must enroll in an elementary language course so they can take best advantage of their stay in Italy.

An extensive field study program complements the traditional classroom and studio curricula. Classes make regular trips to museums, architectural sites, and other points of interest in Rome. Many courses include field trips to other parts of Italy.

The Villa Caproni, located in the heart of Rome on the Tiber River, houses all academic programs. The facilities at the Villa Caproni include a library with 15,000 volumes, classrooms, art and architecture studios, an art gallery, and complete technical facilities. Students live in a residence where they have cooking and other facilities. The residence is a convenient thirty-minute walk to the Villa Caproni and five minutes from one of the major outdoor markets in Rome.

Information on application, costs, and financial aid can be obtained from International Programs. Temple charges regular tuition rates for the Rome program; additional costs include airfare, living expenses, medical insurance, and program expenses.

**Exchange Programs**

Temple University students may participate in any of Temple's university-wide exchange programs. Currently, exchange programs are in place with the University of Puerto Rico at Rio Piedras; the University of Hamburg and Tübingen University in Germany; the University of East Anglia, Norwich, England; and the University of Birmingham, England. Students selected for these programs must qualify academically and be fluent in Spanish or German, respectively, for study in Puerto Rico and Germany.

Competitions for these programs are announced in the late fall or early spring. For further information, contact Temple's International Programs. Each exchange program can accommodate only a small number of students annually. Specialized exchange programs are also available through some schools and colleges. Check with your school or college advising office for a list of these programs.

**Summer Programs Abroad**

Each year, a number of faculty direct summer programs abroad for academic credit. Some programs change on an annual basis; others have been part of Temple's summer curriculum for many years. The programs generally last four to six weeks and admit qualified students from Temple and other universities. Temple charges its regular tuition rates for summer programs overseas. In recent years, summer programs have been conducted in Brazil, Costa Rica, France, Germany, Ghana, India, Italy, Jamaica, Japan, Mexico, Spain and the United Kingdom.

**University Honors Program**

Ruth Ost, Director
204 Tuttleman Learning Center
215-204-0710
[www.temple.edu/honors/](http://www.temple.edu/honors/)

Mail inquiries to:
Director, University Honors Program
204 Tuttleman Learning Center (008-00)
Temple University
1809 North 13th Street
Philadelphia, PA 19122-6073

The University Honors Program is for academically-talented students who want to major in everything - and still graduate in four years. At the core of the program are small classes taught by Temple's favorite professors, many of who have won the prestigious Temple University Great Teacher Award. Such classes reflect the academic passions of Honors professors and challenge students to think in new ways and respond with creativity.

The Honors staff enjoys helping students with their major choices, graduate and professional school applications, scholarship competitions, and networking. Honors students may choose to live in “1300,” the designated Honors residence hall, during their freshman and sophomore years; the Honors Activities Board (HAB) organizes academic, social and cultural events.
Honors Certificate Program
The Honors Certificate Program is open to students enrolling in any of the twelve schools and colleges of the University. Admission is decided on the basis of academic qualifications (SAT scores, high school GPA, class rank, or merit-based awards), letters of recommendation, and samples of writing, research, and creative work. Typical Honors students will achieve a combined SAT score around 1300 and a high school GPA of 3.80. No special application is required. All admitted students are screened for Honors.

The program is normally entered at the beginning of the first year, but capable, current first-year students already at Temple or transfer students may apply.

The Certificate Program provides Honors opportunities primarily in the university’s general education or core courses. Honors students must complete a minimum of eight (8) courses (24 semester hours) with a cumulative GPA of 3.25 to earn the certificate.

Honors Scholars Program
The Honors Scholars Program is open to students with at least 60 earned hours and cumulative GPA of 3.60, regardless of whether they have participated in or completed the Honors Certificate Program. Both current and transfer students must apply. The online application form is available at the Honors website.

Honors Scholars are required to complete a research or creative project design course and a thesis project in their major or a related field. Some departments or schools offer distinct Honors Scholars Programs - History, Political Science, and Psychology - but students in any major can enhance their upper-level undergraduate experience through the University Honors Scholars Program. Honors Scholars have opportunities to explore and develop interests in honors courses in their major, in interdisciplinary honors courses, select non-honors courses with significant experiential or service learning value, graduate courses, or honors independent study. Scholars must complete a minimum of six upper-division Honors courses (18 hours), including the research or project design course and honors thesis, to receive the “Honors Scholar” designation on their transcript. Students work closely with their honors advisor to craft their honors experience.

For requirements of the program, see the Academic Policies and Regulations section of the Bulletin.

Honors Interdisciplinary Major
Students in the University Honors Program may apply for a College of Liberal Arts Honors Interdisciplinary Major. They must complete the degree requirements of the B.A. in the College of Liberal Arts and the requirements for the Interdisciplinary Major as well as the requirements for the University Honors Program. Approval for this program must be obtained from the College of Liberal Arts Academic Advising Center and the University Honors Committee prior to the initiation of the last 60 semester hours of the degree. In addition, the proposed Major Program should include submission of an acceptable Honors Thesis to the University Honors Oversight Committee.

For more information on the College of Liberal Arts Honors Interdisciplinary Major, go to the College of Liberal Arts Graduation Requirements section of the Bulletin.

University Research
Diamond Peer Teachers Program
The Diamond Peer Teachers Program provides upper-level undergraduates at Temple University the opportunity to experience the challenges and rewards of college-level teaching, to work with faculty mentors to develop their own pedagogical skills, and to provide supplemental instruction in lower-level courses. Peer Teachers earn a stipend and one (1) internship credit. For more information, go to www.temple.edu/vpus/programs_initiatives/upperdivision/diamondpeerteachers.htm.

Diamond Research Scholars Program
The Diamond Research Scholars Program offers a seven-month long funded research experience under the direction of a faculty mentor. Participants receive a summer stipend of tuition remission for three (3) hours of research or independent study, and Honors credit for their research or creative arts project. Scholars are expected to participate in the annual undergraduate research conference, TURF-CreWS. For more information on the Diamond Research Scholars Program, go to www.temple.edu/vpus/programs_initiatives/upperdivision/diamondresearchscholars.htm.
Temple Undergraduate Research Forum - Creative Works Symposium

The Temple Undergraduate Research Forum - Creative Works Symposium (TURF-CreWS) provides ambitious, intellectually motivated undergraduate students the opportunity to present and defend their original research or creative work among colleagues, faculty, family, and friends. TURF-CreWS is open to all departments and all colleges. Through its emphasis on original research or creative work, from theory-driven critical analysis of significant social issues to the development of unique individual artistic talents, TURF-CreWS seeks to inspire undergraduate students to engage, analyze, critique, and advise the world around them, beginning with their own social, ideological or cultural communities, so that they may contribute ideas that make for a better society and world. For more information on TURF-CreWS, go to www.temple.edu/vpus/programs_initiatives/turf/index.htm.

Undergraduate Research Incentive Fund

The Undergraduate Research Incentive Fund (URIF) is available to any full-time undergraduate student enrolled at Temple who seeks financial support for research related activities such as undergraduate research projects or participation in professional conferences. Awards from the URIF are dependent on the availability of matching funds from the students' own Department, School and/or College. For more information, go to www.temple.edu/vpus/programs_initiatives/URIF.htm.

Honor Societies

**Phi Beta Kappa:** Phi Beta Kappa is an honor society open to juniors and seniors in the College of Liberal Arts and the College of Science and Technology. To qualify for Phi Beta Kappa, a student must maintain a high grade point average in a broad, rigorous program of study in the liberal arts, including mathematics and foreign language. For a complete and detailed description of Phi Beta Kappa's requirements, visit www.temple.edu/pbk/.

If you have questions, please contact Stephanie Smith, Faculty Director of Academic Advising, Temple University, College of Liberal Arts, 1330 West Berks Street, Philadelphia, PA 19122, at 215-204-8115, or sgsmith@temple.edu.

**Golden Key:** Golden Key is a national academic honors organization dedicated to excellence. Golden Key is interdisciplinary and unites the talents of the brightest undergraduate students in America. Golden Key also provides service opportunities for all University students.

Membership is by invitation only, and no more than the top fifteen percent of the juniors and seniors enrolled may be eligible. The Golden Key mailbox is in The Student Center where the Student Organization Offices are located.

**Alpha Lambda Delta:** Alpha Lambda Delta is a national society that honors academic excellence during a student's first year at college. For further information, visit their website at www.nationalald.org/.

Student Leadership & Development Opportunities

**Greek Life**

Dean of Students Office
Student Center, Room 304
215-204-7188
215-204-1663 (Fax)

The University recognizes social fraternities and sororities from four governing bodies: the National Interfraternity Council (NIC), the National Pan Hellenic Council (NPHC), the National Panhellenic Conference (NPC), and the Multicultural Greek Council (MGC). As members of the Temple University Greek Association (TUGA), recognized chapters participate actively in Greek governance, community service, philanthropy, and social activities throughout the academic year. New members are recruited during the fall and spring semesters. More information on recruitment and a complete list of registered Greek organizations can be found at www.temple.edu/greek.
**Student Activities**

Main Campus  
Second Floor Mezzanine, Student Center  
215-204-7131  
215-204-1846 (Fax)  
[www.temple.edu/sac/activities.html](http://www.temple.edu/sac/activities.html)

Health Sciences Center  
Second Floor, Student Faculty Conference Center  
215-707-4017  
215-707-4481 (Fax)  
[www.temple.edu/hscsa](http://www.temple.edu/hscsa)

The Office of Student Activities develops and implements diverse University-wide programs. These programs are designed to challenge, educate, and entertain students; the programs provide social and recreational avenues for commuter and residential students alike. The staff offers guidance and advisement to over 180 campus student organizations. Involvement in these organizations can provide opportunities for students to develop leadership and management skills, promote interpersonal and social responsibility, and enhance intellectual growth and self-esteem.

The Office of Student Center Operations is also responsible for the overall operation of the Main Campus Student Center, the Gameroom, the Cinema, the Owl Cove, the Great Court in Mitten Hall, the movie theater, and the Health Sciences Campus Student Faculty Conference Center. These facilities foster increased social interaction and a sense of community among individuals.

The Main Campus Student Center offers a three-story atrium that leads patrons to the following: Dean of Students Office; Student Activities; Office of Orientation; Office of Judicial Affairs; Temple Student Government; the Village (clubs and organizations area); Temple News (student newspaper); Graphics Media Center, which assists student clubs and organizations in printing, duplication and marketing of their events and activities; the Templar (student yearbook); Food Court, with a 700-seat dining area; a television lounge; study lounge; bookstore; information center; parking services; credit union; travel agency; and post office.

The Health Sciences Campus Student Faculty Conference Center offers a bookstore, dining hall/coffee shop, study lounges, conference rooms, game room, television lounge, dance studio, gymnasium, and fitness center. A Temple identification card is required to enter the facility.

Temple University Ambler campus offers a variety of student activities. Please visit [www.temple.edu/ambler/student_life](http://www.temple.edu/ambler/student_life), or contact the Office of Student Life (267-468-8425) in Bright Hall, Room 101, for further information.

The Office of Student Life at Temple University Tyler campus offers extracurricular activities, events and programs geared towards the arts community. For more information on Tyler campus activities, please visit the Tyler Student Life website at [www.temple.edu/tylerstudentlife/](http://www.temple.edu/tylerstudentlife/), or contact Tyler's Office of Student Life (215-782-2883) in Tyler Hall, Room 305.

**Student Government**

**Main Campus**  
The Student Center, Room 244  
215-204-8727

Temple Student Government (TSG), consisting of an executive and a legislative branch, is the official voice of the student body. TSG leaders show an interest in the vision, desires, concerns and education of their fellow students. TSG leaders work to ensure that student voices and concerns are represented within the University. TSG members work together as a team and take a proactive approach in addressing student issues.

**Ambler Campus**  
Bright Hall, Room 110A  
267-468-8429  
[www.temple.edu/ambler/student_life](http://www.temple.edu/ambler/student_life)

Temple University Ambler Student Government Association (ASGA) is an active student government association that oversees student concerns, policies, interests and activities. The officers of ASGA serve as a liaison between students at
Ambler and the administration. Elections are held in the spring for various offices, giving students the opportunity to participate in election campaigns and promotions.

**Tyler Campus**

Associate Dean’s Office, Tyler Hall, Room 200
215-782-2718

The Tyler Student Government addresses the needs of the Tyler student body. The Tyler Student Government consists of several student committees that work in conjunction with the Temple University Student Government. The officers of the student government serve as a liaison between the students at Tyler and the Temple University administration. Elections for officers are held in the spring. For more information about the Tyler Student Government, visit [www.temple.edu/tyler/studgov.html](http://www.temple.edu/tyler/studgov.html) and [www.temple.edu/tylerstudentlife](http://www.temple.edu/tylerstudentlife).

**Student Media**

Students on the Main Campus produce their own editorially-independent newspaper, the *Temple News* (website: [www.temple-news.com](http://www.temple-news.com)), during the academic year and distribute it to all campuses. Both the *Temple News* and the *Templar*, Temple’s annual undergraduate yearbook, are staffed entirely by students and have offices on the Main Campus in the Student Center. The *Temple News* and *Templar* focus on events and activities that affect the entire University community on all campuses. WRTI FM (90.1), Temple University’s jazz and classical music radio station, is located on the Main campus and broadcasts on eleven different frequencies throughout Pennsylvania, New Jersey, and Delaware. A limited number of student jobs are available.

The Graphics Media Center (GMC), entirely staffed by students, creates and distributes posters, banners, flyers, buttons, and more for the University community. It is located on the first floor of the Student Center.

Students at Temple University Ambler campus produce *The Parable*, a literary magazine each spring, as well as *The Temple Column* newspaper. Students at Temple University Ambler campus also manage and operate their own radio station, WRFT 1610 AM, which broadcasts a variety of music formats. Visit [www.temple.edu/ambler/student_life](http://www.temple.edu/ambler/student_life) for more information.

**Clubs and Organizations**

Over 180 campus student organizations are registered at Temple University, offering students a wide range of opportunities to explore their co-curricular interests. For more information, contact the Office of Student Activities at 215-204-7131, or visit their website at [www.temple.edu/sac/activities.html](http://www.temple.edu/sac/activities.html).

For information on student activities, clubs and organizations at Temple University Ambler campus, visit [www.temple.edu/ambler/student_life](http://www.temple.edu/ambler/student_life).

For information on student activities, clubs and organizations at the Tyler campus, go to [www.temple.edu/tylerstudentlife/](http://www.temple.edu/tylerstudentlife/); then click on "Student Organizations."

**Temple University Student Leadership Challenge**

The mission of the Temple University Student Leadership Challenge is to serve as a vehicle of engagement for all students to develop leadership skills. The program creates opportunities to encourage the development of integrity, character and self-awareness, while providing avenues for students to impact their own lives as well as creating an environment to impact communities on the local, state, national and global level. By utilizing the combined resources of the Temple University community, the Student Leadership Challenge addresses the diverse, multicultural and dynamic needs of Temple University and guides our students to foster collaborative relationships, set positive examples, and lead the way in cultivating new generations of leaders. For more information, contact the Dean of Students Office at 215-204-7188, or visit the website at [www.temple.edu/studentleadershipchallenge](http://www.temple.edu/studentleadershipchallenge).

**Academic Policies**

These academic policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Statements of academic policies and regulations apply to both matriculated and non-matriculated students unless explicitly noted otherwise.
The policies and regulations as stated in the *Bulletin* are announcements only and in no way serve as a contract between the student and Temple University.

The texts of some of these policies are available in the Temple online Policies and Procedures Manual at [http://policies.temple.edu/](http://policies.temple.edu/).

Students should consult their advisors and Dean's offices for any changes in policy that affect them.

**Academic Course Load**

The average semester load for full-time students is 15 to 17 semester (or credit) hours. Students must carry at least 12 semester hours to be classified as full time.

Academic overloads during fall and spring semesters (18 or more semester hours for students in the College of Liberal Arts and the College of Science and Technology; 19 or more semester hours in all other schools and colleges) need special approval of the dean of the school or college in which a student is matriculated. Tuition for full-time students covers 12 to 17 hours. Credits over 17 carry additional tuition charges.

See [Tuition and Fees](#) in the Financial Information section of the *Bulletin*.

**Summer sessions**: Undergraduates must get overload approval for 9 credits or more.

**Academic Credit**

A semester hour is a unit of academic credit. For courses that meet on a regularly-scheduled semester basis, a semester hour corresponds to one hour a week of lecture or recitation (or two hours of laboratory or studio activity) throughout one semester. For courses that do not meet on a regularly-scheduled semester basis, the guideline is that one semester hour corresponds to 700 minutes of classroom contact.

Academic credit may be earned through traditional course work at Temple University, courses approved for transfer from other institutions, Advanced Placement Tests, the College Level Examination Program (CLEP), cooperative work experience, and prior work or life experience. See the [Admissions](#) section of the *Bulletin* and the policy on [Non-Traditional Credit](#).

**Academic Residency Requirements**

Temple University requires that all undergraduate degree candidates complete 30 hours of the last 45 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement. See the policy on [Transfer Credits](#).

To graduate with Honors or to be a President's Scholar, a student must complete a minimum of the last 60 semester hours of the program matriculated at Temple. Students who are granted pre-approval by their deans to take courses elsewhere, up to a full semester’s work, will qualify for these distinctions if they have completed 60 hours at Temple University towards their degrees. See [Honors](#).

Students should consult their school or college for additional academic residency requirements.

**Academic Rights and Responsibilities**

See [Academic Rights and Responsibilities](#) in the Student Rights section of the *Bulletin*.

**Academic Standing**

Click here for the up-to-date version of the [Academic Warning, Probation, Dismissal and Reinstatement](#) policy (policy number 02.10.11). The policy is printed below.

**Academic Warning, Probation, Dismissal, and Reinstatement**

*Policy Effective for Fall Semester 2003 and After*

**Policy**

To remain in Academic Good Standing in the University, a matriculated undergraduate student must achieve a semester Grade Point Average (GPA) of at least 2.0 (C) for each semester and maintain a Cumulative Grade Point Average (CGPA) of at least 2.0 for all work completed at Temple University.
Academic Warning
Students will receive notification of academic warning if their semester grade point average falls below a 2.0 even while the cumulative GPA is above 2.0. Academic warning is not given for courses taken in summer school.

A student on academic warning status cannot register for courses online or by telephone and must meet with his/her adviser to register. Advisers will help these students in planning a schedule of courses selected to assist the student in maintaining an acceptable cumulative GPA. Advisers will see to it that the planned schedules assure academic progress and the completion of required courses.

Academic Probation
Academic Probation is a sanction given to a student whose cumulative grade point average is below 2.0 after having accumulated 24 credits.

A student on Academic Probation cannot register for courses online or by telephone and must meet with his/her adviser to register. Advisers will help these students in planning a schedule of courses selected to assist the student in maintaining an acceptable cumulative GPA. Advisers will see to it that the planned schedules assure academic progress and the completion of required courses. A student on Academic Probation at the beginning of an academic year is not eligible for University-funded, academic merit-based financial aid until the student is restored to Academic Good Standing.

A cumulative grade point average below 2.0 results in the accumulation of deficiency points. Students who have earned deficiency points will receive notification of Academic Probation on their semester grade reports.

For example, if by the end of the first year a student who has completed 30 hours, the performance in those courses should have produced 60 points:
30 cumulative credits $\times 2 = \text{60 quality points needed for 2.0 average}$

If student's performance has produced only 54 points, the student has accumulated 6 deficiency points, and academic probation is noted on the grade report.

 Eliminating Deficiency Points
Students can remove deficiency points by achieving C+ grades or better in subsequent courses. Additional grades below C will increase the number of deficiency points. The Deficiency Points Chart (found under the Associate Degree Candidates section below) indicates the deficiency points accumulated by students receiving grades below C. The Quality Points Chart (found under the Associate Degree candidates section below) specifies the relation between course grades and the removal of deficiency points.

Dismissal and Reinstatement
The academic actions of Dismissal from Degree Candidacy and Reinstatement to Degree Candidacy will be guided strictly by the number of deficiency points and will be standard across all schools and colleges.

Dismissal
Except under conditions listed below, a baccalaureate degree candidate is automatically dismissed from degree candidacy for unsatisfactory academic performance if:

<table>
<thead>
<tr>
<th>Cumulative Credits*</th>
<th>Deficiency Points number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>24–39</td>
<td>15 or more</td>
</tr>
<tr>
<td>40–69</td>
<td>10 or more</td>
</tr>
<tr>
<td>70–99</td>
<td>5 or more</td>
</tr>
<tr>
<td>100 and above</td>
<td>3 or more</td>
</tr>
</tbody>
</table>

* "Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F". "Cumulative Credits" ignore credits in courses with incomplete grades ("I"), Withdrawals ("W"), Registered ("R"), or Audit ("AU") and credits earned in courses graded Credit/No Credit ("CR/NC") or Pass ("P"). Credits for repeated courses are calculated according to the course repeat policy. "Cumulative Credits" may differ from "Degree Credits"; the latter counts credits that accrue toward the degree and includes credits earned in courses not graded "A" to "F" and excludes courses the student does not pass.
Note: Credits transferred to Temple University will be counted at admission as "cumulative credits" in order to establish the level of progress toward a degree. Additional cumulative credits will accrue from courses subsequently taken at Temple. Deficiency points, if any, accrue only from courses taken at Temple University.

Exceptions
A baccalaureate degree candidate will not be dismissed from degree candidacy for unsatisfactory academic performance if he/she has acquired fewer than 24 cumulative semester hours of credits.

No student will be dismissed who has not in the previous semester been placed on Academic Probation.

Notification
A student dismissed from baccalaureate degree candidacy for unsatisfactory academic performance will receive a letter from the Office of Academic Records informing him/her of the dismissal. The letter includes an explanation for the dismissal action as well as instructions for enrolling as a non-degree conditional-status student (Non-Matriculating Status) and criteria for reinstatement to degree status.

Conditional Status for Dismissed Students
A student dismissed from baccalaureate degree candidacy for unsatisfactory academic performance may register for Temple courses as a non-degree conditional-status student, with the following conditions. A non-degree conditional-status student is not eligible for financial aid or University housing. The advising office of the Temple school or college or academic unit from which the student was dismissed registers the student during the enrollment period reserved for non-matriculating students and on a space-available basis; the courses taken must be suitable for demonstrating the student's ability to succeed at Temple University. The student may enroll for up to 10 semester hours for a fall or spring semester or up to 4 semester hours for a summer session, for a total of up to 20 semester hours to be completed within two calendar years of the dismissal date.

Reinstatement and Readmission
Student will be accorded only one opportunity for reinstatement.

Students who complete course work on conditional status may apply to any Temple school or college for reinstatement to degree candidacy when they have removed at least half of their deficiency points. All decisions to readmit students must be approved by the Office of the Provost. After reinstatement, a student must remove any remaining deficiency points within two additional semesters. Students who fail to do so will be summarily dismissed.

A dismissed student, whether he or she has taken courses on conditional status or not, may apply for readmission after five years from the date of last enrollment at Temple University. Application for readmission to degree candidacy may be made to any Temple school or college. A decision to readmit a student must be approved by the Office of the Provost. Readmitted students will be treated as transfer students, in that they will receive credit for all courses passed at Temple or elsewhere and will re-enter the University with no cumulative grade point average. This readmission policy, with its forgiveness provision, will go into effect for spring 2009.

Associate Degree Candidates
Academic Warning
The rules and procedures related to Academic Warning for baccalaureate degree students apply also to associate degree candidates.

Academic Probation
The rules and procedures related to Academic Probation for baccalaureate degree students apply also to associate degree candidates.

Associate Degree Dismissal and Reinstatement Policy
An associate degree candidate will not be dismissed from degree candidacy for unsatisfactory academic performance if he/she has acquired fewer than 20 cumulative hours of credits.

All other rules related to dismissal and reinstatement for baccalaureate degree students also apply to associate degree students.

Conditional Status for Associate Degree Students
Provisions for conditional status are the same for associate degree students as for baccalaureate degree students. However, an associate degree student on conditional status may enroll for no more than 10 semester hours which must be completed within one calendar year of the date of dismissal.

**Reinstatement and Readmission of Associate Degree Students**
The rules are the same for associate degree and baccalaureate degree.

**Cumulative Credits**

<table>
<thead>
<tr>
<th>Range</th>
<th>With Grade-Point Deficiencies of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 to 29</td>
<td>12 or more</td>
</tr>
<tr>
<td>30 to 49</td>
<td>6 or more</td>
</tr>
<tr>
<td>50 or more</td>
<td>3 or more</td>
</tr>
</tbody>
</table>

"Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F." "Cumulative Credits" ignore credits in courses with incomplete grades ("I"), Withdrawals ("W"), Registered ("R"), or Audit ("AU") and credits earned in courses graded Credit/No Credit ("CR/NC") or Pass ("P"). Credits for repeated courses are calculated according to the course repeat policy. "Cumulative Credits" may differ from "Degree Credits"; the latter counts credits that accrue toward the degree and includes credits earned in courses not graded "A" to "F" and excludes courses the student does not pass.

Note: Credits transferred to Temple University will be counted at admission as "cumulative credits" in order to establish the level of progress towards degree. Additional cumulative credits will accrue from courses subsequently taken at Temple. Deficiency points, if any, will come only from courses taken at Temple University.

**Deficiency Points Chart**
This chart will assist you in determining the deficiency points accumulated by students who receive grades of C- or less in courses graded "A" to "F."

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade-Point Equivalent</th>
<th>Course Credits</th>
<th>Quality Points Acquired</th>
<th>Quality Points for a 2.00</th>
<th>Deficiency Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-</td>
<td>1.67 X</td>
<td>1 =</td>
<td>1.67</td>
<td>2</td>
<td>0.33</td>
</tr>
<tr>
<td></td>
<td>1.67 X</td>
<td>2 =</td>
<td>3.34</td>
<td>4</td>
<td>0.66</td>
</tr>
<tr>
<td></td>
<td>1.67 X</td>
<td>3 =</td>
<td>5.01</td>
<td>6</td>
<td>0.99</td>
</tr>
<tr>
<td></td>
<td>1.67 X</td>
<td>4 =</td>
<td>6.68</td>
<td>8</td>
<td>1.32</td>
</tr>
<tr>
<td>D+</td>
<td>1.33 X</td>
<td>1 =</td>
<td>1.33</td>
<td>2</td>
<td>0.67</td>
</tr>
<tr>
<td></td>
<td>1.33 X</td>
<td>2 =</td>
<td>2.66</td>
<td>4</td>
<td>1.34</td>
</tr>
<tr>
<td></td>
<td>1.33 X</td>
<td>3 =</td>
<td>3.99</td>
<td>6</td>
<td>2.01</td>
</tr>
<tr>
<td></td>
<td>1.33 X</td>
<td>4 =</td>
<td>5.32</td>
<td>8</td>
<td>2.68</td>
</tr>
<tr>
<td>D</td>
<td>1.00 X</td>
<td>1 =</td>
<td>1.00</td>
<td>2</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>1.00 X</td>
<td>2 =</td>
<td>2.00</td>
<td>4</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>1.00 X</td>
<td>3 =</td>
<td>3.00</td>
<td>6</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>1.00 X</td>
<td>4 =</td>
<td>4.00</td>
<td>8</td>
<td>4.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.67 X</td>
<td>1 =</td>
<td>0.67</td>
<td>2</td>
<td>1.33</td>
</tr>
<tr>
<td></td>
<td>0.67 X</td>
<td>2 =</td>
<td>1.34</td>
<td>4</td>
<td>2.66</td>
</tr>
<tr>
<td></td>
<td>0.67 X</td>
<td>3 =</td>
<td>2.01</td>
<td>6</td>
<td>3.99</td>
</tr>
<tr>
<td></td>
<td>0.67 X</td>
<td>4 =</td>
<td>2.66</td>
<td>8</td>
<td>5.32</td>
</tr>
<tr>
<td>F</td>
<td>0.00 X</td>
<td>1 =</td>
<td>0</td>
<td>2</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>0.00 X</td>
<td>2 =</td>
<td>0</td>
<td>4</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>0.00 X</td>
<td>3 =</td>
<td>0</td>
<td>6</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>0.00 X</td>
<td>4 =</td>
<td>0</td>
<td>8</td>
<td>8.00</td>
</tr>
</tbody>
</table>

**Quality Points Chart**
This chart will assist you in determining the grade and credits that must be earned to remove deficiency points.
<table>
<thead>
<tr>
<th>Grade</th>
<th>Credits</th>
<th>Grade Points</th>
<th>Grade Points</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>4.00</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
<td>3.67</td>
<td>1.67</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
<td>3.33</td>
<td>1.33</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>3.00</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>2.67</td>
<td>0.67</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>2.33</td>
<td>0.33</td>
<td></td>
</tr>
</tbody>
</table>

Note: As a quick reference, keep in mind that every credit earned with a grade of B removes one grade-point deficiency.

**Dates of official enactment and amendments:**
Adopted by the President on June 12, 2003.

Revised by the President on September 7, 2006, to amend the provisions regarding eligibility for institutional financial aid and university housing, effective immediately.

**History:**
This policy supersedes all policies and procedures related to academic warning, dismissal and reinstatement for undergraduates, and specifically **Probation and Dismissal** posted in the Academic Policy section of the *Undergraduate Bulletin*.

**Cross References:**
one

*This policy is subject to change. The most current version of the applicable policy is available at* [http://policies.temple.edu/getdoc.asp?policy_no=02.10.11](http://policies.temple.edu/getdoc.asp?policy_no=02.10.11)

**Athletic Policies**

**Academic Eligibility**

Initial and continuing academic eligibility requirements for student-athletes relative to NCAA guidelines are stated below. Student-athletes with any questions regarding athletic eligibility should contact the Athletics Certifying Officer at 215-204-2500.
1. Temple University is a member of the NCAA Division I-A level of competition. This division of the NCAA requires all student-athletes first entering college to enroll and be certified by the NCAA Initial-Eligibility Clearinghouse.

2. Student-athletes must be registered and attending a minimum of 12 semester hours. They may not withdraw from courses that would put them below 12 semester hours without prior approval from the Athletics Certifying Officer or Athletic Academic Advisor.

3. Student-athletes must pass 6 credits each semester, 18 credits in the academic year and accumulate 24 semester hours in their first two semesters of attendance.

4. Student-athletes must remain in "Good Standing" each semester as determined by Temple University.

5. Student-athletes must officially declare a major prior to the beginning of their fifth semester at the University. In addition, the student-athlete must have completed at least 40% of the declared major before the first date of competition.

6. Student-athletes are required to complete 60% of their declared major before the first date of competition of their seventh semester and 80% of their declared major before the first date of competition of their ninth semester of full-time enrollment in college.

7. Transfer student-athletes from two-year institutions must graduate with an Associates degree before entering Temple University for immediate consideration for practice/"try-out" opportunity.

8. Initial and Transfer student-athletes are also bound by a 5-year clock that begins at the time of first entering an institution of higher education.

**Athletic Eligibility**

The Department of Intercollegiate Athletics is committed to practices, procedures and policies that are designed to assure proper emphasis on educational objectives, to promote competitive equity among institutions and to prevent the exploitation of student-athletes.

Eligibility to represent Temple University in intercollegiate competition as a varsity athlete is a privilege and not a right. Additionally, Division I athletic eligibility standards are more rigorous than other divisions. Factors which constitute athletic eligibility include, but may not be limited to:

- Conduct and Behavior
- Medical Certification
- Amateurism

**Attendance**

See Attendance in the Student Responsibilities section of the Bulletin.

**Audit**

There may be circumstances under which a student will wish to audit a course (i.e., participate in the class without earning academic credit, credit hours, or grades.)

The student must have written permission of the instructor and of the Dean of the college on a special approval form. Full tuition is charged, and standard payment procedures apply.

Change of registration from credit to audit, or from audit to credit, may be processed only during the following periods:

- before the end of the second week of the fall or spring semesters.
- before the end of the third day of classes during summer sessions.

**Code of Conduct**

The Temple University Student Code of Conduct can be viewed at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12. Printed copies are available at the Dean of Students’ Office.

© 2007, Temple University. All rights reserved.
Other information about the Student Code of Conduct may also be found in the Responsibilities and Rights section of this Bulletin.

**Course Numbering System**

Effective first summer session 2007, Temple University began using a new course numbering system. Specific details about the course numbering system as well as a course number search tool can be found at [http://renumbering.temple.edu](http://renumbering.temple.edu).

All courses have full four-digit numbers. The first digit of a course identifies its level.

- Courses numbered A000 - U000 are reserved for transferred elective and generic credits.
- Courses numbered 0700 - 0999 are reserved for preparatory courses, General Education courses and Honors General Education courses.
- Courses numbered 1000 - 1999 are appropriate for undergraduate students in their first year of study.

Courses numbered 2000 - 5999 are considered "upper level" for undergraduates.

- Courses numbered 2000 - 2999 are appropriate for undergraduate students in their second year of study.
- Courses numbered 3000 - 3999 are appropriate for undergraduate students in their third year of study.
- Courses numbered 4000 - 4999 are appropriate for undergraduate students in their fourth year of study.
- Courses numbered 5000 - 5999 are primarily for graduate students, but undergraduate students in their third or fourth year may enroll with permission of their instructors and their advising centers.
- Courses numbered 8000 - 9999 are for graduate students.

Other classifications and definitions for undergraduate courses:

- **0700 - 0799 Preparatory Courses**: Courses numbered from 0700-0799 are appropriate for undergraduate, first-year math and writing courses. Students' math and writing placement examination results determine these course-level selections.
- **0800 - 0899 General Education Courses**: Courses numbered from 0800-0899 are appropriate for any undergraduate General Education course requirements.
- **0900 - 0999 General Education Honors Courses**: Courses numbered 0900-0999 are appropriate for any undergraduate General Education Honors course requirements.
- **xxx0 Special Topics**: Regularly scheduled courses (not individualized instruction) offered with variable content, and repeatable for credit.
- **x9xx Honors Courses**: Undergraduate Honors courses will be identified by a 9 as the second digit of the course number and will have "Honors" as the first word of the title. The 9 in the second position will not be used by any non-Honors undergraduate course. General Education Honors courses are designated 09xx.
- **xx81 Cooperative Assignment**: Increasingly complex, experiential learning with supervision external to the University. Usually these courses include learning experiences over more than one semester - as part of a defined program.
- **xx82 Independent Study**: Explorative study or research initiated by an undergraduate student with faculty sponsorship and an approved Independent Study contract.
- **xx83 Directed Reading/Study**: Mentored reading/study between a faculty member and an undergraduate student.
- **xx84 Performance**: Concert performance, juried art exhibition or other performance taken as a requirement for the degree.
- **xx85 Internship/Externship**: Pre-professional clinical or experiential traineeships contracted by the student's department, including experiences with a clinical, research, or other special concentration in a specific area. Students must have faculty sponsorship and an approved Internship/Externship contract.
- **xx86 Internship/Externship**: Reserved for a continuation of an internship/externship experience, following xx85.
- **xx87 Practicum**: Programs that are traineeships contracted by the student's department to meet the educational, geographic, and specific interests of the student. Settings generally have on-site clinical supervision.
- **xx88 Student Teaching**: Practical experiences in student teaching designed to support and lead to teacher certification.
• **xx89 Field Study**: On-site, observational study or data collection and analyses which deepen practical knowledge in the discipline. The purpose of the Field Study is to integrate and apply academic theories to on-site experiences.
• **xx91 Directed Research**: Mentored research between a faculty mentor and an undergraduate student.
• **xx92 Undefined**
• **xx93 Undefined**
• **xx94 Undefined**
• **xx95 Undefined**
• **xx96 Writing-Intensive Course**: Courses fulfilling the requirement of the General Education Program that each undergraduate major designates at least two courses as "writing-intensive." The designated courses shall require students to edit and rewrite papers to achieve a high level of clarity and cogency, use a variety of methods to find appropriate materials to support written work and to make proper attribution of those sources.
• **xx97 Writing-Intensive Course**
• **xx98 Writing-Intensive Course**
• **xx99 Undergraduate Thesis**: Sustained research, performance or artistic project resulting in a substantial, finished written report or other product in a format appropriate to the project. Assumes faculty sponsorship and mentorship.

For more specific policies, consult individual schools, colleges, or programs.

**Courses Inapplicable to Graduation**

Semester hours earned in some courses are excluded from the total minimum semester hours required for graduation from some schools and colleges. While policies vary among schools and colleges, courses inapplicable to graduation requirements generally are ELECT, Mathematics 0015 (formerly Mathematics 0001), Russell Conwell Center courses, and Military Science (ROTC) courses.

For specific information, see Policies and Regulations: Courses Inapplicable to Graduation in each school and college's section in this *Bulletin*, or consult academic advisors.

**Courses Over Ten Years Old**

In admitting transfer or returning students, the University will, when possible, allow credit for courses taken ten or more years prior to the date of admission or readmission.

However, academic units may choose not to accept courses regardless of age for credit in the major. Courses of a technical nature or courses in a particularly dynamic field may not be accepted for credit.

Final determination of the acceptability of such sources is the responsibility of academic units and generally occurs after the student has matriculated or been readmitted.

**Credit/No Credit Courses**

Eligible students may want to take a course in an area in which they are not proficient or about which they are curious while not risking their grade point average. Such students, with certain provisions, may be graded using the CR/NC system.

Students may select the CR/NC grading option or return to the traditional grading option only during the first two weeks of a fall or spring semester course and during the first three days of a first or second summer session course, with the written authorization of their advisor and Dean.

**Eligibility is limited to:**

• matriculated, full-time students
• those in good academic standing (2.0 cumulative GPA or higher)
• juniors or seniors (60 or more semester hours)

**Courses are restricted to:**

• non-required electives
• one CR/NC course per semester
• maximum of four CR/NC courses toward the degree

No grade points are assigned to either the CR or NC grade. CR is equivalent to A, A-, B+, B, B-, C+, C, or C-. NC is equivalent to D+, D, D-, or F. The semester hours earned are credited toward the total required for graduation. Because CR and NC yield no grade points, they are not included in divisor hours for calculating the grade point average. CR and NC are not included in calculating cumulative credits for determining academic actions specified in the Undergraduate Policy on Academic Warning, Probation, Dismissal and Reinstatement.

Dean’s List

Academic Criteria for Dean’s List
The following list provides the academic criteria that students must meet in order to be added to the Dean's list for a completed semester. The list includes the name of the academic unit, followed by the minimum semester hours (s.h.) and the minimum grade point average (GPA) required for Dean's List recognition for an academic semester:

- Ambler College - 12 s.h. - 3.5 GPA
- Tyler School of Art - 15 s.h. - 3.5 GPA
- Architecture Program - 15 s.h. - 3.2 GPA
- Communications & Theater - 12 s.h. - 3.5 GPA
- Education - 12 s.h. - 3.5 GPA
- Engineering - 15 s.h. - 3.2 GPA
- Esther Boyer College of Music & Dance - 12 s.h. - 3.5 GPA
- Fox School of Business & Management - 12 s.h. - 3.5 GPA
- Health Professions - 12 s.h. - 3.5 GPA
- Liberal Arts - 12 s.h. - 3.5 GPA
- Science & Technology - 12 s.h. - 3.5 GPA
- Social Administration - 12 s.h. - 3.5 GPA
- Tourism & Hospitality Management - 12 s.h. - 3.5 GPA

The minimum semester hours listed above include letter-graded courses and, depending on the academic unit, may exclude MG's, NR's, W's, or unresolved I's. Grade changes may affect cumulative GPA's.

Declaration of Major

Students admitted to Temple for fall 2002 and after must be enrolled as a major in a degree-granting program in a school or college by the time they have completed 60 credits, including any credits transferred from another institution.

Students admitted to Temple with 60 or more transfer credits will be matriculated directly into a degree-granting program, rather than as “undeclared” in a school or college or the Division of University Studies.

Students declare a major either by completing their school’s or college’s declaration of major process (see specific school or college section in this Bulletin) or by completing an intra-university transfer to another Temple school or college (see the policy on Transfer between Colleges within the University).

Individual schools and colleges may require students to declare a major earlier than 60 credits. Students should consult the policies and regulations of their own school/college for any additional guidelines regarding declaration of major.

Disciplinary Action

The University Disciplinary Committee, which is located in the Office of Judicial Affairs in the Howard Gittis Student Center, is responsible for administering the Student Code of Conduct. Violations of the University's Code of Conduct, including among other things, stealing, cheating, disorderly conduct, plagiarism, and possession of illegal drugs, may result in a student being brought before the University Disciplinary Committee. A finding of responsibility may result in a fine, suspension, and/or dismissal. A disciplinary hold is placed on the student’s record until sanctions are fulfilled. To see the Student Code of Conduct or other information on disciplinary actions, go to the Associate Dean of Students Office's website at www.temple.edu/assistance. The Student Code of Conduct may also be viewed at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12.

© 2007, Temple University. All rights reserved.
**Double Major Across Colleges**

A student who meets the major requirements of two departments may declare, and have recorded on his or her transcript, a double major. Students who graduate with a double major across two colleges are required to complete all University requirements and the requirements of both majors, but only one set of collegial requirements. The student must obtain prior approval from both schools or colleges. One department must be declared the primary department for the purpose of registration and college graduation requirements. (Students considering a double major across colleges should ask academic advisors in both colleges about college policies related to choosing the primary department).

**Family Educational Rights & Privacy Act (FERPA)**

For information on the Family Educational Rights and Privacy Act (FERPA) of 1974, see the FERPA text in the Responsibilities & Rights section in this Bulletin.

**Final Examinations**

University policies require that final examinations be given only during the final examination week as noted on the academic calendar, which is printed each year in this Bulletin and available at www.temple.edu/registrar.

For day classes on Main and Ambler campuses, a detailed examination schedule, by day and time, is published in each semester's Guide to Registration and available at www.temple.edu/registrar; this information is also circulated at the beginning of each semester.

Final examinations for evening classes on Main and Ambler campuses, TUCC classes, Health Sciences Center classes, and Tyler School of Art classes are given at the regular class time during final examination week.

Instructors are encouraged to make individual accommodations with students who have more that two (2) examinations scheduled on one day.

**Grade Change**

No change of final grade for a completed course will be made without the approval of the instructor's Dean. Deans will consider the grade change upon receipt of the instructor's written explanation. No grade will be changed after the baccalaureate degree is awarded.

**Grade Point Average (GPA)**

Each student's transcript indicates the credit hours completed and passed, grade points, and grade point average (GPA).

The GPA also appears on a student's semester grade reports, DARS reports or the academic advising document.

A student's GPA may be useful in assessing academic progress, in determining eligibility for specific programs, or in determining eligibility for Honors or other awards.

No change in a student's GPA is made after the baccalaureate degree is awarded.

**To Compute Semester Grade Point Average:**

1. Multiply the value of the grade (see policy on Grades and Grading below) by the course's number of semester hours to get quality points.
2. Add the total quality points.
3. Divide total number of quality points by the total number of semester hours completed in courses that yield quality points.

Note: Not included in GPA computations: I, IC, IP, MG, NR, CR, NC, R, P, AU, W, WE, WS, PI. Also see policy on Repeating a Course.

**To Compute Cumulative Grade Point Average:**

Divide the total number of quality points by the total number of semester hours completed in courses that yield quality points.

Note: Not included in GPA computations: I, IC, IP, MG, NR, CR, NC, R, P, AU, W, WE, WS, PI. Also see policy on Repeating a Course.
Grades and Grading

Semester Grades

The work of all undergraduate students is graded and reported at the end of each semester. Students may access their semester grades on OWLnet within 48 hours of the end of the examination period for that semester and may request a mailed grade report through OWLnet.

Three systems are in use for grading and reporting students’ work:

1. **Letter grades and points**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A–</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B–</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C–</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D–</td>
<td>.67</td>
</tr>
<tr>
<td>F</td>
<td>.00</td>
</tr>
</tbody>
</table>

Note: Although D- is a passing grade, a minimum grade of C- is required in University Core curriculum courses and, in many programs, courses required by the major.

2. **Credit/No Credit**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Equivalent to</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR</td>
<td>A, A–, B+, B, B–, C+, C, or C–</td>
</tr>
<tr>
<td>NC</td>
<td>D+, D, D–, or F</td>
</tr>
</tbody>
</table>

Note: In the Credit/No Credit system, no grade points are assigned, but a limited number of credits in courses in which students earn the CR designation counts toward the total credit hours completed. See Credit/No Credit Courses.

3. **Other transcript notations**

<table>
<thead>
<tr>
<th>Notation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AU</td>
<td>Audit</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
<tr>
<td>IC</td>
<td>Incomplete in a Credit/No Credit course</td>
</tr>
<tr>
<td>IP</td>
<td>Incomplete pass/fail course</td>
</tr>
<tr>
<td>MG</td>
<td>Grade temporarily missing</td>
</tr>
<tr>
<td>NR</td>
<td>Grade not reported</td>
</tr>
<tr>
<td>PI</td>
<td>Permanent incomplete</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal from course</td>
</tr>
<tr>
<td>WE</td>
<td>Withdrawal with approved excuse</td>
</tr>
<tr>
<td>WS</td>
<td>Withdrawal from the semester</td>
</tr>
</tbody>
</table>

For more information, see the policies on Audit, Credit/No Credit Courses, Incomplete Coursework, and Withdrawal Policies in this Bulletin.

**Academic Progress in Lower-Division Courses**

Students in lower-level courses (numbered below 2000) receive a mid-semester rating report indicating that their work to date is satisfactory or unsatisfactory or that they have not been attending the course. This report is available on OWLnet by the end of the sixth week of fall and spring semesters.
Graduation Procedures
As students approach the end of their undergraduate careers, they must make sure that they are eligible for, and can participate in, graduation ceremonies.

In their junior year, or when 80 semester hours have been completed, students should begin an ongoing graduation check with their academic advisors in order to determine that they are meeting the University, college, departmental, and program requirements for their degree and for graduation.

Early in the semester in which requirements for graduation will be completed, each student pays the University Graduation Fee at the Cashier's Office. For the current fee, see Tuition and Fees in the Financial Information section of the Bulletin. The validated Treasurer's receipt accompanies the completed Application for Graduation form and is submitted to the Office of the Dean. (Students in the Fox School of Business and Management must submit their application for graduation and receipt to their Dean's Office prior to registration for their final semester.)

Application deadlines are:
• February 15 for May graduation
• June 1 for August graduation
• October 15 for January graduation

Earlier deadlines may be in effect in some academic units.

The Application for Graduation form must be properly completed, particularly the areas relating to the resolution of incompletes and diploma instructions.

Information concerning commencement activities (such as time, place, invitations, rental of academic regalia) is mailed to students submitting the Application for Graduation form.

Students will not have their degree awarded or diploma or transcript released until all University tuition and fees have been paid.

Grievances
See Grievances in the Student Rights section of the Bulletin.

Honors for Academic Achievement
Temple University recognizes academic achievement in several ways.

Dean's Lists
Dean's Lists record the names of those full-time matriculated undergraduate students in each school or college who completed a semester's work with a stated minimum number of semester hours and GPA. Also, part-time matriculated undergraduate students who have earned at least 12 credit hours across an academic year (fall and spring semesters) are eligible to be considered for Dean's List recognition for that academic year.

For further information, see the Academic Criteria for Dean's List in the Academic Policies section of the Bulletin, check under your school or college listing in the Bulletin, or contact your School or College Advising Center.

President's Scholars
President's Scholars are those graduating seniors who are scheduled to complete at least their last 60 hours matriculated at Temple University, who have completed at least 45 of those last 60 hours, and whose cumulative GPA is at least 3.75. President's Scholars are recognized annually at a special ceremony and reception during the spring semester.

Graduation with Honors
This distinction is bestowed upon those candidates for baccalaureate degrees who have completed at Temple University at least their last 60 hours toward their degrees. Such students will be awarded their degrees "with praise" if the cumulative GPA is:

• 3.25 Cum laude
• 3.50 Magna cum laude
• 3.75 Summa cum laude

Students who are granted pre-approval by their deans to take courses elsewhere, up to a full semester’s work, will qualify for these distinctions if they have completed 60 hours at Temple University towards their degrees. See also Admissions: University Honors Program, Academic Opportunities: Honor Societies, and Academic Opportunities: University Honors Program in the Bulletin; and the schools and colleges for college and departmental honors and honors programs.

**Incomplete Coursework**

An instructor may file an "I" (Incomplete) when a student has not completed the work of a course by the time grades must be submitted, but has completed the majority of the work at a passing level and has a written agreement with the instructor and the department regarding completion of the work, including the nature of the work to be completed, the means by which the final grade will be determined, and the date by which the work must be completed. The completion date may be no later than one year from the end of the semester in which the student took the course. The agreement shall also specify a default grade to be received if the work is not completed by the date indicated. One copy of the agreement shall be retained by the instructor, one shall be given to the student, and one shall be filed with the department office or, in colleges or schools without departments, the Dean's office.

As of September 1, 2003, if the instructor does not change the grade of "I", pursuant to the agreement with the student, by the end of one year from the time the grade of "I" was awarded, the appropriate University official shall automatically change the grade of "I" to the reported default grade, and the default grade shall appear on the transcript and be used for all other grading purposes as the actual grade received in the course.

Faculty advisors and staff advisors have the option of not permitting a student to register for an “overload” if the student is carrying one or more active incomplete courses or for a “full load” if the student is carrying two or more active incompletes.

**Lower Division Student Academic Progress**

Instructors in lower-division freshman and sophomore courses will provide evaluations of student progress by the end of the fifth week of class. It is the course instructor's responsibility to complete and return an early report indicating satisfactory or unsatisfactory progress for each student. Students will receive mid-semester ratings on their OWLnet accounts for each lower-division course taken.

**Matriculated Students**

Matriculated students are those who have applied, been accepted, and enrolled in a degree program of the University during the semester for which they were admitted.

Completion of course credits before becoming a matriculated student does not assure the acceptance of those credits into the program of matriculation.

**Non-Matriculated Students**

Non-matriculated students are those who have not been admitted formally to a degree program. For information and academic advising for non-matriculated students, see Programs with Academic Credit in the Special Programs section of the Bulletin and the Office of Continuing Education website.

Degree-seeking non-matriculated undergraduate students are required to apply for admission to a degree program before they complete 30 credits in Continuing Education. To enroll in undergraduate courses, students must have earned a high school diploma or a G.E.D. certificate. Students who have attended another college or university must have earned at least a 2.00 GPA and provide a transcript (official or unofficial) of their previous academic work.

Prior to their enrollment, degree-seeking non-matriculated students are required to take one or more University placement tests. (Some transfer students may be exempt from this requirement. To find out if they are exempt or not, transfer students are strongly encouraged to seek guidance from a Continuing Education academic advisor prior to taking this test.)

Non-matriculated undergraduate students are not permitted to take more than 11 credits during their first semester.
Non-matriculated undergraduate students who are accepted into an undergraduate degree program may count their Temple, non-matriculated credits toward their residency requirements. Such credits may also count toward students’ eligibility for Latin Graduation Honors.

**Non-Traditional Credit**

Temple University awards limited academic credit and course placement to students based on previous academic, employment, and/or other learning experience in addition to credit earned in a traditional classroom setting. Non-traditional credits are not applied to the minimum number of credits (60) required to earn honors at graduation.

**Advanced Placement Tests**

Temple awards college credits to students who in high school participated in the Advanced Placement program sponsored by the College Examination Board as follows:

- Art History, Chemistry, English (Language and Literature), Political Science (Comparative Government and U.S. Government), History (American, European and World), Latin (Virgil and Literature), Physics -- Minimum score of 4
- Other subjects -- Minimum score of 3
- Students who receive the minimum score in the English Advanced Placement test will receive English elective credit, not Composition credit.

Students should have taken these tests in high school and should have their scores sent directly to the Office of Undergraduate Admissions. Transfer students must request Educational Testing Services to send their Advanced Placement Test scores to the Office of Undergraduate Admissions, even if they have requested them for a previously attended college.

If credit is awarded, a student's university record will carry notation of credit, but no grade will be recorded. Credit awarded will not affect a student's grade-point average at Temple University.

Limitations on credit earned through the Advanced Placement Examinations are as follows: (1) the credit must be useful in a student's program of study; (2) duplicate credit in the same course is not awarded in any case.

Advanced Placement equivalencies will be reviewed annually and are subject to change. Students will receive the equivalency that is in effect at Temple at the time of their matriculation.

Advanced Placement credits can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. See [Core Curriculum: Core Transfer Programs](#).

**College Level Examination Program (CLEP)**

CLEP provides a mechanism for students to meet the requirements of a class through examination. Temple recognizes students' prior learning by accepting the CLEP tests indicated in the below CLEP equivalencies chart. In addition, credit is granted for acceptable performance on the following sections of the General Examination: Mathematics, Natural Sciences, and Social Sciences and History. Students should contact the advising center in the College of Science and Technology (for Mathematics or Natural Sciences) or the College of Liberal Arts (for Social Sciences and History).

Students must obtain permission to take any CLEP test from the dean of the college in which they are matriculated. See the below CLEP equivalencies chart for a list of the subject examinations, number of the course equivalent for which Temple grants credit, and the minimum score.

All literature, history, and political science examinations require an essay in order to receive credit at Temple. Students planning to take CLEP tests are urged to do so no later than the semester before they expect to graduate. Information about test dates, fees, and the application process may be obtained from the Measurement and Research Center, Third Floor, Sullivan Hall, Main Campus, 215-204-8611.

Transfer students can earn credit through prior CLEP exams if their scores meet the Temple credit-granting standards. They should have their CLEP scores sent directly to their academic advising center. If that college approves the granting of CLEP credit, it is posted to the student’s record by the Office of Academic Records.

CLEP credits granted by Temple, and those taken prior to admission to Temple and confirmed by the appropriate Temple department, can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. See [Core Curriculum: Core Transfer Programs](#).
<table>
<thead>
<tr>
<th>CLEP Equivalencies</th>
<th>Corresponding Department</th>
<th>Temple Course</th>
<th>Minimum Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>Political Science</td>
<td>Political Science 1101, The American Political System</td>
<td>50</td>
</tr>
<tr>
<td>American History I</td>
<td>History</td>
<td>History 1101, U.S. History to 1877</td>
<td>50</td>
</tr>
<tr>
<td>American History II</td>
<td>History</td>
<td>History 1102, U.S. History since 1877</td>
<td>50</td>
</tr>
<tr>
<td>American Literature</td>
<td>English</td>
<td>English 2301, Survey of American Literature I</td>
<td>50</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
<td>English</td>
<td>English 1197, Introduction to Literature</td>
<td>50</td>
</tr>
<tr>
<td>General Biology</td>
<td>Biology</td>
<td>Biology 1011, General Biology</td>
<td>50</td>
</tr>
<tr>
<td>English Literature</td>
<td>English</td>
<td>English 2201 or 2202, Survey of English Literature to 1660, or 1660–1900</td>
<td>50</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>Chemistry</td>
<td>Chemistry 1031, General Chemistry I</td>
<td>50</td>
</tr>
<tr>
<td>General Psychology</td>
<td>Psychology</td>
<td>Psychology 1061, Psychology as a Social Science</td>
<td>50</td>
</tr>
<tr>
<td>Introduction to Management</td>
<td>Human Resource Management</td>
<td>HR MGMT 1101, Organization and Management</td>
<td>50</td>
</tr>
<tr>
<td>Introductory Accounting</td>
<td>Accounting</td>
<td>Accounting 2101 and 2102, Principles of Accounting I and II</td>
<td>50</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>Law (Business)</td>
<td>Legal Studies 1001, Law in Society</td>
<td>50</td>
</tr>
<tr>
<td>Intro. Macroeconomics</td>
<td>Economics</td>
<td>Economics 1101, Macroeconomic Principles</td>
<td>50</td>
</tr>
<tr>
<td>Intro. Microeconomics</td>
<td>Economics</td>
<td>Economics 1102, Macroeconomic Principles</td>
<td>50</td>
</tr>
<tr>
<td>Introductory Marketing</td>
<td>Marketing</td>
<td>Marketing 2101, Introduction to Marketing</td>
<td>50</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>Sociology</td>
<td>Sociology 1176, Introduction to Sociology</td>
<td>50</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>History</td>
<td>Lower-Level History Elective</td>
<td>50</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>History</td>
<td>Lower-Level History Elective</td>
<td>50</td>
</tr>
</tbody>
</table>

**Assessment of Prior Relevant Academic Learning**

Semester hours that count toward the minimum requirement of a college or program occasionally may be earned through work experience and prior learning. Decisions to assess learning experiences are made by the individual colleges. An evaluation or work experience may be based on the submission of papers, presentation of a portfolio of completed work, and/or a demonstration of acquired skills.

Credit so granted is based on a faculty evaluation of the respective learning experiences in terms of their identified relationship to the knowledge and skills required, either in the pursuit of educational programs in the college or in the performance of tasks related to the substance of study. Semester hours credited toward the minimum number for a degree are always granted relevant to a specific program. If students change their programs of study, semester hours credited toward an earlier program of study may not be recognized in the new program.

Credit for relevant prior learning will be granted after completion of a minimum of 30 credits of formal coursework.

Approval of relevant prior learning credit must be in writing over the signature of at least one sponsoring faculty member, the appropriate department or committee chairperson, and the Dean of the college that is granting the credit.

The total number of semester hours granted by all non-traditional means seldom exceeds eight semester hours; and individual colleges or programs may choose not to grant any credit for prior learning.

Grades are not assigned to academic and prior learning credit.

Each college engaged in the assessment of academic and work experiences determines its own procedures for review and testing; students should contact the appropriate advising office for information about the procedures for assessment.

© 2007, Temple University. All rights reserved.
International Baccalaureate
Temple awards college credits to students who pass the International Baccalaureate Program's higher-level course exams with an exam grade of five or above. International Baccalaureate transcripts should be sent directly to the Office of Undergraduate Admissions.

Limitations on credit earned through the International Baccalaureate: (1) credits must be useful in a student's program of study (2) duplicate credit in the same course is not awarded in any case.

Permission to Take Courses at Another Institution
Students will not receive transfer credit for courses they take at another institution while they are matriculated at Temple, unless

1. They receive prior permission from their Temple school or college
2. The courses are taken through an approved study abroad program

1. Prior permission to take courses elsewhere may be granted by the student's academic advisor after a review of the student's request and academic program. Advisors will not approve requests from matriculated Temple students to take courses at other institutions within commuting distance (50 miles) of Temple unless there is a compelling academic justification.

To receive prior permission to take courses elsewhere, students must be in good academic standing. Permission is rescinded if the student's GPA falls below 2.0 or the student is placed on academic warning or probation. During the semester prior to the one in which they wish to take the course(s) elsewhere, students must fill out a Request for Permission form obtained from their academic advisor, and return it to the advisor with a copy of the official course description(s) from the school at which they wish to take the course. For courses intended to fulfill requirements in a student's major, written approval from the departmental coordinating advisor must accompany the form.

Students should note that

- some Temple schools and colleges have additional limitations on the kind or number of transfer credits accepted.
- transfer credits do not affect a student's Temple GPA.
- a student cannot receive credit for the same course twice.
- thirty (30) of a student's last 45 credits must be taken at Temple University. See Academic Residency Requirements.
- to graduate from Temple with Honors, students must complete "at least their last 60 hours toward their degrees in residence at Temple University." See Honors.

Once a student has received prior permission and taken a course elsewhere, the student must have an official transcript from that institution sent to the student's Temple advising office before the beginning of the following semester.

As with all courses accepted in transfer, only courses passed with a grade of C- or higher are granted transfer credit. See Admissions: Transfer Credit.

2. Study abroad programs. For information about Temple study abroad programs, see International Programs and Study Abroad. For information about receiving permission to study abroad through another institution, see Study Abroad Approval Procedures for Non-Temple Programs.

Placement Testing
Go to the Measurement and Research Center website at www.temple.edu/marc/placements.html for details.

Also, see the Admissions: Placement Testing section of the Bulletin.
Plagiarism and Academic Cheating
See Academic Honesty in the Student Responsibilities and Rights section of the Bulletin.

Prerequisites and Co-requisites
A course prerequisite is any requirement an academic department identifies as essential for a student to complete before taking a course. The University is responsible for publishing prerequisite requirements. All prerequisites, whether they apply to an individual course or to all courses in a department, should be stated in the printed and electronic versions of the current edition of the University's Undergraduate Course Descriptions. They should also be stated in the course syllabus.

Course prerequisites consist of one or more of the following: completion of placement or proficiency tests or other assessments; achievement of specified scores on placement or proficiency tests or other assessments; possession of specified knowledge or skills; approval after audition; approval of portfolio; declaration of major or admission to restricted program; completion of specific courses, sets of courses, and/or kinds of courses; completion of a specified number of semester hours or achievement of a specified class level; achievement of specified grades in prerequisite courses or sets of courses; achievement of a specified GPA; approval of an application or proposal; permission of the instructor, department, or other person or office; satisfaction of other specified requirements.

Students are responsible for knowing and completing all published prerequisite requirements for a course before taking that course. The University has the obligation to inform students of prerequisite requirements. It has the right to cancel a student's registration in a course if the student has not satisfied the published prerequisite requirements for that course.

A course co-requisite is a requirement that must be completed at the same time as the course for which it is required. The University is responsible for publishing co-requisite requirements. All co-requisites, whether they apply to an individual course or to all courses in a department, should be stated in the printed and electronic versions of the current edition of the University's Undergraduate Course Descriptions. They should also be stated in the course syllabus. Co-requisites may be specified courses, permissions, admission to programs, and/or other requirements. Students are responsible for knowing and completing all published co-requisite requirements for a course. The University has the obligation to inform students of co-requisite requirements and the right to cancel a student's registration in a course if the student has not arranged to satisfy the co-requisite requirements for that course.

Probation and Dismissal
See Academic Warning, Probation, Dismissal and Reinstatement.

Registration
See the Registration section of the Bulletin.

Repeating a Course
Students may wish to repeat a course in order to earn a higher grade, either to raise their grade point average or to receive a grade required by their major or to meet another requirement, such as achieving the minimum C- required for successful completion of Core Curriculum courses.

The decision to repeat a course for a higher grade must be made in consultation with an advisor. A repeated course must be graded using the same grading system (pass/fail, credit/no credit, or letter grade) as when originally taken.

If an undergraduate student takes a course more than once, (a) all occurrences of the course will appear on the student's transcript, but (b) all grades other than the lowest grade received will be used in calculating the student's grade point average.

Except for courses designed to be taken multiple times, such as independent study, research, or other specified courses, credit for a given course will be granted only once.

This policy will apply only when one or more of the repeated courses is taken after September 1, 2003.

No change in a student's undergraduate grade point average is made after the baccalaureate degree is awarded.
Satisfactory Academic Progress
Satisfactory academic progress is determined by a number of factors, including a student's semester grade point average, cumulative grade point average, and the number of semester hours attempted and completed. A student's progress is reviewed at the end of each semester by the student's Temple school or college and may affect the student's ability to continue in a program or major and eligibility for financial aid. Students should be advised that course withdrawals and incompletes will affect their progress and thus their academic standing. See Academic Warning, Probation, Dismissal and Reinstatement and Grade Point Average.

Schedule Revision (Drop/Add)
See Schedule Revision (Drop/Add) in the Registration section of the Bulletin.

Second Degrees
Students may earn second degrees in some schools and colleges of Temple University. Students interested in earning a second degree should consult with the Office of the Dean of the school or college offering the desired degree.

Schools and colleges may waive up to 9 credits of degree requirements outside the new major for students who already have a bachelor’s degree from Temple University or from another college or university and who desire a second degree from Temple. This waiver pertains to requirements not satisfied by credits transferred from other colleges or universities.

Students who hold their first bachelor's degree from Temple are exempted from courses or course categories required of all undergraduates, such as non-major Core Curriculum requirements. However, courses accepted in transfer for a student’s first Temple degree may not apply to their second Temple degree, depending on the second degree requirements.

Study Abroad Approval Procedures for Non-Temple Programs
To receive credit for courses taken on a non-Temple study abroad program during the academic year or summer sessions, matriculated students in good academic standing are required to discuss their study abroad plans with their academic advisor, have the International Programs Office endorse the chosen study abroad program, and seek final written approval from their school or college advising office. Students should obtain the Study Abroad Approval form from their advisor or the International Programs Office, and during the semester prior to study abroad, fill out the form and obtain the appropriate signatures.

Permission to study abroad is rescinded if the student’s GPA falls below 2.0, or the student is placed on academic warning or probation. As with all courses accepted in transfer, only a grade of C- or higher is acceptable; an official transcript must be forwarded to the student’s advising office before the beginning of the following semester. Thirty of the student’s last 45 credits must be taken at Temple University.

See International Programs and Study Abroad in the Academic Opportunities section.

Transcripts
A student’s academic history is contained in a transcript, which is maintained by the Office of Academic Records.

Official transcripts are issued upon the written request of the student, carry the seal of the Office of Academic Records, and are usually sent directly to another educational institution, a potential employer or other approved third party. The fee for each transcript is $6.00.

Official transcripts may also be issued directly to the student but will be identified with information that will indicate to the reader (whether a potential employer or another educational institution) that it was so issued.

A transcript is considered correct and final one calendar year after it is issued. If a student identifies an error, the Office of Academic Records must be notified in writing within one calendar year. See the Office of Academic Records website for more details (www.temple.edu/registrar/).

Transfer Between Colleges Within the University
Intra-University Transfer (IUT) denotes a student’s movement from one academic unit within the University to another and/or from one campus to another.
Transfer between academic units is not automatic. If students decide to earn their degrees in an academic unit other than the one in which they are matriculated, they must make application for the transfer and can do so at anytime except the months of January and August.

The Intra-University Transfer form can be picked up at any advising center or dean's office. Students then submit the form to the college to which they wish to transfer. The student will be notified of the decision of the office of the dean of the proposed college.

Students may initiate transfer from one college of the University to another if they are in good academic standing, holding a minimum cumulative GPA of 2.0. Higher averages are required by a number of schools and colleges, and students should consult the individual school or college policy section of the Bulletin for IUT GPA requirements. In addition to GPA requirements, the Tyler School of Art has portfolio requirements and the Esther Boyer College of Music and Department of Dance have audition requirements.

**Transfer Credit**

See Admissions: Transfer Credit.

**Withdrawal Policies**

**WITHDRAWAL FROM CLASSES**

During the first two weeks of the fall or spring semester or summer sessions, students may withdraw from a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of summer sessions, the student may withdraw with the advisor's permission. The course will be recorded on the transcript with the instructor's notation of “W,” indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses.

No student may withdraw from more than five courses during the duration of his/her studies to earn a bachelor’s degree.

A student may not withdraw from the same course more than once.

**Exceptions:** Students may not withdraw from Mathematics 0015 unless they are withdrawing from the University.

**Procedure:** Withdrawal from a course is accomplished with a Schedule Revision (Drop/Add) form, processed through a campus registration office.

**Notes on the policy:**

1. The limitation of each student to five withdrawals does not apply to withdrawals from courses taken before the fall 2003 semester.

2. The prohibition of multiple withdrawals from the same course applies to any course taken in the fall 2003 semester or later, from which the student has withdrawn in any prior semester. This means that as of September 1, 2003, a student cannot withdraw from a course from which he/she withdrew in any prior semester.

3. Withdrawal grades and transcript notations:

<table>
<thead>
<tr>
<th>Withdrawal Grade</th>
<th>Action</th>
<th>Transcript Notation</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>Withdrawal from course</td>
<td>Displayed on transcript; counted toward total of 5 withdrawals; not included in GPA calculations</td>
</tr>
<tr>
<td>WE</td>
<td>Withdrawal with approved excuse</td>
<td>Approved and posted by student’s Dean’s Office for withdrawals due to medical, catastrophic or other circumstances beyond the student’s control; not counted toward total of 5 withdrawals; not included in GPA calculations</td>
</tr>
</tbody>
</table>
### COMPLETE WITHDRAWAL POLICY

A student may withdraw from the University by filing an official withdrawal with the approval of the Dean of his/her college. The Dean shall determine whether there is legitimate reason for withdrawal with symbols of WS or WE (excused approval authorized by the Dean) in all courses in which the student is enrolled, consulting with the instructors when necessary. The student should present the approved official withdrawal form to his/her campus registration office.

### REFUNDS FOR WITHDRAWALS

Complete refund of tuition or cancellation of tuition charges will be made only if the withdrawal form is processed by the end of the second week of classes of the fall and spring semesters or summer sessions.

Students withdrawing after these periods are responsible for payment of all charges incurred. No refund or adjustments of charges will be made for withdrawals after these periods unless specified under the University’s refund policy. See the bottom of the Tuition and Fees section for the Refund Policy.

---

### Academic Programs

#### THE CORE CURRICULUM

Michele O'Connor  
500 Conwell Hall  
Telephone: 215-204-5662  
Fax: 215-204-3175  
michele.oconnor@temple.edu  
www.temple.edu/vpus/

The world changes, experience changes, networks grow, dot-coms come and go. Where does college take you?

No matter how fast the world changes, your education will provide you with an experience that will make you grow and change at the same time, and you will always be able to rely on it. When we speak of liberal education, we mean learning that will endure: broad acquaintances with areas of knowledge and experience that will help you live well, using your intellectual powers, imagination, and judgment. A liberal education prepares you to deal with a rapidly-changing world. It prepares you for leadership and responsibility in the vocational, social, and personal areas of your life. It enables you to keep on learning throughout your life.

A liberal education is bigger than the sum of its parts. General education, major, and elective courses; internship, volunteer, and other learning experiences; the social milieu of the campus--all come together to give you something full, whole, integrated. A liberal education happens inside and outside the classroom as you meet and learn with a diverse array of peers and teachers. This is the kind of learning that enhances experience in all dimensions of life. It's the kind of education a degree from Temple University represents.

The Core Curriculum is one part of that education. The goals of the Core Curriculum include teaching students how to do things and providing the means to gain new knowledge. The Core courses will teach students how to use language effectively, handle quantitative data, and appreciate the creative arts; students will also gain an understanding of the nature of scientific inquiry and the impact of technology on society, the history and culture of the United States and of other societies, the differences between individual and communal needs, and the many ways in which race and racism affect all of us. Each Core area focuses on one of these goals, but courses and experiences in other Core areas and in the majors build upon and reinforce Core skills and knowledge. All undergraduate students at Temple complete some form of the Core Curriculum.
Students entering Temple as freshmen and transfer students with fewer than 45 transfer credits complete these Core requirements:

- Temple Information Literacy Tutorial (TILT) (formerly known as Library Skills) - 0 s.h.
- Composition - 3 s.h.
- Intellectual Heritage - 6 s.h.
- American Culture - 3 s.h.
- The Arts - 3 s.h.
- The Individual and Society - 3 s.h.
- International Studies/Language - 3-6 s.h.
- Quantitative Reasoning - 6-8 s.h.
- Science/Technology - 6-8 s.h.
- Studies in Race - 3 s.h.
- Additional Writing-Intensive Courses* - 3-9 s.h.

**Total Core Credits** = 39-52

*Three Writing-Intensive courses are required in addition to the two Writing-Intensive Intellectual Heritage courses. The three additional courses include a Writing Capstone course (3 credits) required by the student's major and two other approved Writing-Intensive courses. A range of credits is given because those courses may overlap with another Core area, and so are not counted as separate credits, or may be Writing-Intensive only.

**The results of placement tests and options in the International Studies area may result in lower numbers of required courses and credits.

Advanced transfer students satisfy the Core through either the [45+ Transfer Core](#) or [Core-to-Core Transfer](#) and should see below for information on these versions of the Core.

Highly-motivated students who seek especially challenging courses may wish to apply for admission to the [University Honors Program](#), which offers special Honors courses that meet Core requirements.

**Core Information**

Each Core area has a list of courses approved as satisfying the requirements for that area. Descriptions of the Core areas and their approved courses can be found by clicking on the links under the Core Areas menu to the left. Although Core courses no longer offered by departments do not appear in these lists, students who took them continue to receive Core credit for them, as indicated in their DARS document. Questions about the past, present, or future Core status of a course can be answered by the Office of the Vice Provost for Undergraduate Studies.

Descriptions of Core courses are available in the printed [Undergraduate Course Descriptions](#) published each Spring before the registration period for Fall courses, and online through the web version of this [Bulletin](#). Because not all approved courses are offered every semester, each semester's [Guide to Registration](#) contains a list of Core courses being taught that term. Lists of newly approved Core courses, other changes and notices, additional information about the Core, and an e-mail link for questions are available on the Core website ([www.temple.edu/vpus/ucc/index.htm](#)).

**Finding a Core Course**

Writing-intensive courses are identified by their course numbers. Any course ending in "96," "97," or "98" is an approved Writing-intensive course.

Current students can find courses that fulfill other Core areas by using the following tools:

- [OWLnet](#): Click on the "Register/Roster" tab, then click on the "find a course" button and choose a department. The two-character Core code for a course appears in the "Core Course ID (RCI)" column.
- The [Course Schedule](#): Select a semester, then select a department and a Core area to display.
- The Course Descriptions catalog (both in print and [online](#)): The Core courses are listed by Core areas in the front of the catalog, plus the two-character Core codes appear near the course titles within the course descriptions.
- The Course Renumbering website, [http://renumbering.temple.edu/courses.asp](http://renumbering.temple.edu/courses.asp): Select a Core area in the "Required Course Identifier (RCI)" box and click "Search" to see a list of all of the Core courses offered in that area.
Some courses exist in several Core versions, or in Core and non-Core versions. The two-character Core codes indicate the version of a course.

**RCI** - Required Course Indicator - Shows which Core requirement(s) a course fulfills:

- **AC** - American Culture
- **AR** - The Arts
- **CO** - Composition
- **IA, IB** - Intellectual Heritage
- **IN** - The Individual and Society
- **IS** - International Studies
- **LA, LB, LC** - Language
- **QA** - Quantitative Reasoning, First Level
- **QB** - Quantitative Reasoning, Second Level
- **RA** - Studies in Race and the Arts
- **RC** - Studies in Race and Composition
- **RG** - Studies in Race and International Studies
- **RN** - Studies in Race and Individual and Society
- **RS** - Studies in Race
- **RU** - Studies in Race and American Culture
- **SA** - Science and Technology, First Level
- **SB** - Science and Technology, Second Level
- **WI** - Writing-Intensive
- **WR** - Studies in Race and Writing-Intensive
- **XA** - The Arts, Studies in Race, and Writing-Intensive
- **XC** - American Culture, Studies in Race, and Writing-Intensive
- **XN** - The Individual and Society, Studies in Race, and Writing-Intensive
- **XS** - International Studies, Studies in Race, and Writing-Intensive

*added to accommodate new numbering system.

### Important Core Policies for All Students

- All Core courses must be completed with a grade of C- or higher to satisfy a Core requirement.
- Core courses cannot be taken for credit/no credit. See [Credit/No Credit Courses](#).
- Students may not complete requirements in more than two Core areas with courses in their major fields. This restriction does not apply to Writing-Intensive courses that are not also in a Core area (W courses) or Studies in Race courses that are not also in another Core area.
- The three-semester sequence of College Composition (English 1002, 1012, 1022, or 1977) and the two Intellectual Heritage courses (1196 or 1996 and 1297 or 1997) is intended to serve as the foundation of general education at Temple and to provide students with the skills and knowledge necessary for successful completion of other Core requirements. To make the most of these opportunities, students should take these courses as soon as possible after entering Temple, in order, and immediately after one another.
- In two Core areas, 1) Quantitative Reasoning and 2) Science and Technology, students should not take a second-level (B) course until they have completed an appropriate prerequisite first-level (A) course with a grade of C- or higher. Students should check with their advisors for the A-B sequences appropriate for their program of study. However, the policy on transfer of Core science courses applies to all students with transfer credits in science (see [Science and Technology](#)). Students who are candidates for a Bachelor of Arts degree in the College of Liberal Arts or the College of Science and Technology are required by their college to complete both the foreign language and the International Studies components of the Core (see [International Studies or Language](#)).

### Core Transfer Programs

In general, students transferring into Temple should be aware of:

- The policy on academic residency that requires 30 of the last 45 credits to be taken at Temple. See [Academic Residency](#).
• The policy on graduation with honors that requires at least the last 60 credits to be taken as a matriculated student at Temple. See Honors.

• Temple's policies regarding the transfer of academic credit. See Admissions: Transfer Credit.

• The fact that the following Core policies for transfer students relate only to the University Core requirements. All the requirements of Temple's schools and colleges and major programs of study remain in force and are not affected by this policy, including any that involve Core courses but differ from the University Core Curriculum requirements.

45+ Transfer Core

Transfer students admitted to Temple for and after Fall 1997 with 45 or more credits for courses taken elsewhere (and without an Associate's degree approved for Core-to-Core Transfer) complete the 45+ Transfer Core. All the requirements in this version of the Core may be met either with equivalent transfer courses or with Core courses taken at Temple—with the exception of the two Writing-Intensive courses, which must be taken at Temple.

NOTE: An Intellectual Heritage course taken at Temple to satisfy the 45+ requirement for one Intellectual Heritage course cannot be used as one of the two Writing-Intensive courses at Temple. However, a second IH at Temple may be used as one of those WI courses.

• Temple Information Literacy Tutorial (0 credits)
• College Composition (Temple's English 1002, 1012, 1022, or equivalent - one course, 3 credits)
• Two Writing-Intensive courses, not including Intellectual Heritage, taken at Temple (6 credits)
• One Core Intellectual Heritage course (Temple's IH 1196, 1297, or equivalent - 3 credits)
• One Core International Studies course (either regular or "Non-Western/Third World") or a language to the second semester (1002 or equivalent) level (3-4 credits)
• One Mathematics or Statistics course (a Core-level course - 3-4 credits)
• One course in the natural sciences with a laboratory component (Biology, Botany, Chemistry, Geology, Physics, or interdisciplinary science; or a direct transfer equivalent of a Temple Core "Science/Technology A" course; or, if taken at Temple, a Core "SA" course with a lab) (3-4 credits)
• One Core Studies in Race course (3 credits)
• One course each in two of these Core areas: American Culture, Arts, or Individual and Society (6 credits)

Transfer Credits for 45+

The 45+ Transfer Core is designed for students who have taken a significant number of courses elsewhere before entering Temple. All college-level courses considered transferable by the Temple Office of Undergraduate Admissions, including those for which evaluation is not complete until after the student begins at Temple, will be counted toward the 45 credit minimum, when they meet either of the following sets of conditions.

1. For students new to Temple: The courses have been taken elsewhere before the student matriculates at Temple.
2. For readmitted students: 45 or more transferable credits have been taken elsewhere since the student’s last date of enrollment at Temple and before the date of the student's return to Temple.
3. For both groups of students:

• Advanced Placement credits are counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university.
• Credits for prior CLEP exams are counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. Scores must meet the Temple credit-granting standards and be approved by the Temple school or college that offers the equivalent course (see Non-Traditional Credit).
• Courses taken at Temple as a non-matriculated student are not counted toward eligibility for the 45+ Transfer Core.
• Courses taken elsewhere by students once they are at Temple, with the permission of the student's Temple school or college, are not counted toward eligibility for the 45+ Transfer Core.

45+ Transfer Core Policies:

Transfer students should be aware that this Core policy relates only to University Core requirements. All the requirements of Temple's schools and colleges and major programs of study remain in force and are not affected by this policy, including any that involve Core courses but differ from the University Core Curriculum requirements. Students should consult the appropriate sections of this Bulletin and their academic advisors about school/college and major requirements.
A 45+ Transfer Core version of the Degree Audit Reporting System (DARS) document is produced automatically for eligible students who are entering Temple for the first time. For eligible readmitted students to receive a 45+ Transfer Core DARS document, a Temple academic advisor must post the 45+ event in the student's ISIS record.

Regular Temple Core policies apply to these requirements and the courses they involve unless otherwise stipulated above (see Admissions: Transfer Credit). For example, it is still the case that:

- The College Composition requirement may be met by placing out of Temple's College Composition through a placement test or by transferring in the equivalent of Temple's College Composition course. Students should check with their advisor if they are unsure whether they have met this Core requirement.
- One of the Writing-Intensive courses taken at Temple will be the capstone course in the student's major.
- The International Studies requirement also may be met by placing above the second semester (1002 or equivalent) level of a language through a placement test or by participating in an approved Study Abroad program.
- Some Studies in Race and Writing-Intensive courses may also fulfill another Core requirement.
- Initial evaluation of transfer credits will be made in the Temple Office of Undergraduate Admissions. Re-evaluation of credits will be done by the Temple Admissions Office and academic advisors, in consultation with the Assistant Vice Provost for First Year and Transfer Programs when necessary, according to standard Temple policies and procedures.
- The dean or dean's designee of a student's Temple school or college has final authority over interpretations and decisions regarding these requirements, in consultation with the Assistant Vice Provost for First Year and Transfer Programs.

**Core-To-Core Transfer**

Core-to-Core Transfer agreements with community colleges accept the general education included in approved Associate degrees in place of Temple's Core Curriculum. Students entering Temple with an approved degree have met all of the Core requirements except two Writing-Intensive courses to be taken at Temple (one of which is normally the advanced writing capstone in the major). Students who previously attended Temple and have received an Associate degree approved for Core-to-Core since their last enrollment at Temple are eligible for Core-to-Core Transfer.

Core-to-Core Transfer students are identified upon admission to or enrollment in the University and their fulfillment of the Core by Core-to-Core Transfer is noted on pertinent student records. Eligible students should be sure that a final transcript, indicating receipt of the Associate degree, is available to their Temple advisors at their first advising appointment. Advisors can then make sure that Core-to-Core status is noted in the students' records.

This Core policy relates only to University Core requirements. All the requirements of Temple's schools and colleges and major programs of study remain in force and are not affected by this policy, including any that involve Core courses but differ from the University Core Curriculum requirements. Students should consult the appropriate sections of this bulletin, and their academic advisors, about school/college and major requirements.

These are the conditions for Core-to-Core Transfer from specific community colleges:

**Bucks County Community College:** Any Associate of Art degree in a program the student entered in Fall 1994 or after. Effective for students entering Temple for the first time for Spring 1998 and after.

**Burlington County College:** Any Associate of Arts or Associate of Science degree in a program the student entered in Fall 1995 or after. Effective for students entering Temple for the first time for Fall 1999 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

**Camden County College:** One of the following degrees received in or after 1980: An Associate in Arts: any Liberal Arts and Sciences option or an Associate in Science: any Liberal Arts and Sciences option, Criminal Justice, Elementary/Secondary Education, and Human Services. Students with the Associate in Science degree in Engineering are eligible for Core-to-Core Transfer if and only if they are certified to Temple's Assistant Vice Provost for First Year and Transfer Programs by the County College as having taken the proper combination and number of general education courses. Effective for students entering Temple for the first time for Fall 1999 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

**Delaware County Community College:** One of the following degrees received after 1970: Associate in Arts or Associate in Science degree in Behavioral Science, Business Administration, Communication Arts, Computer Information Systems (as of Fall 2000), Education, Liberal Arts, or Natural Science. Students with the Associate in Science degree in Science for Health Professions or Associate in Science in Engineering (as revised in Fall 2005) are eligible for Core-to-Core Transfer if and only if they are certified to Temple's Assistant Vice Provost for First Year and Transfer Programs by the Community College's Career and Transfer Office as having taken the proper combination and number of general education courses.

© 2007, Temple University. All rights reserved.
Effective for students entering Temple for the first time for Spring 1998 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

**Gloucester County College**: One of the following degrees received in or after May 1985: Any Associate of Arts; Associate of Science in these fields if and only if the County College certifies to Temple's Office of First Year and Transfer Programs that the student has taken the correct distribution of courses: Arts and Science, Biology, Business Administration, Chemistry, or Human Development. Effective for students entering Temple for the first time for Spring 2001 and after. Other Associate in Science degrees, and Associate in Applied Science degrees, are not approved for Core-to-Core Transfer.

**Harrisburg Area Community College**: Any Associate in Arts or Associate in Science degree in a college-parallel program that includes the Community College’s revised general education requirements for transfer curricula enacted for Fall 1999. Effective for students entering Temple for the first time for Spring 2000 and after. No other degrees are approved for Core-to-Core Transfer.

**Lehigh Carbon Community College**: One of the following degrees, received at any time: Associate in Arts in Business Administration or Social Sciences; Associate in Science in Engineering or Natural Science/Physical Science Option. One of the following Associate in Arts Degrees, received at any time, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by the Community College as having taken the proper combination and number of general education courses: Education, Fine Arts/Studio Arts, Graphic Design, Humanities and Arts, Liberal Arts, or Special Education. One of the following Associate in Science Degrees, received at any time, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by LCCC as having used an elective requirement to take an additional course in the arts, humanities, or social sciences: Computer Science, Mathematics, Mechanical Engineering Technology, or Natural Science/Life Science Option. The following Associate in Science degree in Sports Management, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by LCCC as having taken a mathematics course at a level appropriate to Temple's Core (LCCC Math 120, 125, 130, 135, or 150 and higher). Effective for students entering Temple for the first time for Fall 2002 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

**Mercer County Community College**: A degree in any of these programs, if it includes the general education requirements put into effect in Fall 1999, and if the student entered the program in Fall 1999 or after: Any Associate of Arts; Associate in Science in Architecture, Aviation Management, Business Administration, or Criminal Justice; Associate in Fine Arts (A.F.A.) in Art History, Ceramics/Sculpture, or Fine Arts. Effective for students entering Temple for the first time for Spring 2001 and after. Other Associate of Science degrees and Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

**Montgomery County Community College**: Any Associate in Arts or Associate in Science degree received in or after 1990. Effective for students entering Temple for the first time for Spring 1998 and after. Earlier A.A. or A.S. degrees can be considered for inclusion on appeal. Associate in Applied Science and Associate in General Studies degrees are not approved for Core-to-Core Transfer.

**Northampton Community College**: Any Associate in Arts or Associate in Science degree in a program the student entered in Fall 1993 or after. Students with an Associate in Applied Science degree are eligible for Core-to-Core Transfer if and only if they are certified to Temple’s Assistant Vice Provost for First Year and Transfer Programs by the Community College as having taken the proper combination and number of general education courses. Effective for students entering Temple for the first time for Spring 2000 and after.

**Community College of Philadelphia**: Any Associate in Arts or Associate in Science degree received in a program the student entered in Fall 1996 or after (and therefore satisfying the Dimensions requirements). Effective for students entering Temple for the first time for Spring 1999 and after. Associate in General Studies and Associate of Applied Science degrees are not approved for Core-to-Core Transfer.

**Temple Information Literacy Tutorial: TILT**

**Requirement**: Completion of the online Temple Information Literacy Tutorial (TILT).

TILT is an online tutorial designed to provide an introduction to searching, accessing, and evaluating information using library resources. Completion of the tutorial is a requirement for all first-year and transfer students.

TILT consists of an introduction and three modules. Each module features an introduction, a list of key concepts and skills,
a series of lessons and interactions, and a quiz. Students can access TILT at 

Composition/Writing and the University Writing Program

Core Composition/Writing Requirement:
College Composition (English 1002, 1012, 1022, or 1977) and five designated Writing-Intensive courses.

The ability to use language properly, effectively, and persuasively is a basic skill needed throughout one's academic career and beyond. Developing students' writing ability is therefore an essential part of the Core Curriculum. Basic writing skills are the explicit focus of College Composition, an introductory course required of all students (except those exempted by placement testing) in the first semester in which they are eligible. Composition prepares students for university-level writing standards, and for the further development of their skills as they move into advanced work. It should be taken before any Writing-Intensive course.

After Composition, students take five Writing-Intensive courses. (Advanced transfer students should see Core Transfer Programs for their Core writing requirements.) In all Writing-Intensive courses, students learn the conventions and the kinds of writing used in the course's discipline. In many cases, students will submit first drafts and then revisions of their written work.

Two of the five Writing-Intensive courses are Intellectual Heritage 1196 or 1996 and 1297 or 1997 (see Intellectual Heritage).

Notes:

• All students transferring into Temple must take at least two of their Writing-Intensive courses at Temple. Intellectual Heritage courses cannot be used to meet this transfer Writing requirement, except by students eligible for the 45+ Transfer Core who choose to take a second IH course, and students eligible for Core-to-Core Transfer.

• Students who have successfully completed English 1002, 1012, or 1022 cannot take English 0701 (0040) or 0711 (0041) for credit, unless they provide written permission from their respective college dean and their advising director prior to the beginning of the semester in question.

Another kind of Writing-Intensive course, taken by all undergraduates, is the designated writing capstone in the student's major. Each department designates the capstone course(s) required for its majors, and these are identified in the list of Writing-Intensive courses. Students should check with their department's undergraduate advisor for further information on capstone courses.

The remaining two Writing-Intensive courses may be required by the major or chosen by the student. Some Writing-Intensive courses also fulfill other Core requirements, some are general electives, and others may be courses in the student's major. Writing Intensive courses that also fulfill other Core requirements are included in the lists of courses approved for the various Core areas.

The Writing-Intensive courses--those that are not also in another Core area--are offered by departments throughout the University. They incorporate a significant amount of writing (at least ten pages in at least two different assignments) within the context of disciplinary work. They highlight the conventions and argumentation accepted in the discipline, and they require at least one revision based on response from a professor, TA, writing associate, or peer-reviewer.

The University Writing Program

The University Writing Program consists of the First Year Writing Program, other writing components of the undergraduate Core Curriculum, the University Writing Center, and New City Writing: Institute for the Study of Literature, Literacy, and Culture.

In the Core, the Writing Program combines an entrance-level introduction to academic discourse with writing courses in the disciplines at every level to provide Temple students a comprehensive experience writing to learn and learning to write.

For further information, see the First Year Writing Program's website at www.temple.edu/english/fywp/.

© 2007, Temple University. All rights reserved.
Intellectual Heritage

**Prerequisite:** College Composition (English 1002, 1012, 1022, or 1977) or its equivalent.

**Requirement:** Intellectual Heritage 1196 or 1996 (3 credits) and Intellectual Heritage 1297 or 1997 (3 credits). Students normally should take Intellectual Heritage 1196 or 1996 in the semester immediately following the completion of College Composition, and Intellectual Heritage 1297 or 1997 immediately after completing 1196 or 1996.

Intellectual Heritage, the most distinctive feature of Temple's Core Curriculum, is a required writing-intensive, two-semester course sequence introducing students to "seedbed texts" in the western intellectual tradition, from ancient Greece to the Bible through the twentieth century.

These are case study courses, not surveys. Students read primary texts in depth, building reading and interpretative skills. Lectures and class discussions provide historical and cultural background, but the emphasis is on analysis. The interdisciplinary structure of the courses -- with readings drawn from diverse cultures and time periods and reflecting different methodologies -- encourages students to seek out common elements and to discern the ways in which cultures and texts remain unique and irreconcilable.

Intellectual Heritage constitutes two of the five Writing-Intensive courses required in the Core Curriculum. In addition to essay examinations, students complete several papers or other written assignments.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
</tr>
<tr>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors Intellectual Heritage I</td>
<td>3</td>
</tr>
<tr>
<td>1997</td>
<td>Honors Intellectual Heritage II</td>
<td>3</td>
</tr>
</tbody>
</table>

American Culture

Courses in American Culture introduce Temple students to the serious study of those aspects of our culture that are uniquely American. Some courses deal with American culture in general, while others focus on particular aspects of American life. A portion of all courses in this category is devoted to the unique experiences, achievements, and contributions of ethnic minorities and women in American life.

**Requirement:** One 3-credit course from this list.

*Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.*

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1268</td>
<td>African American History since 1900</td>
<td>3</td>
</tr>
<tr>
<td>American Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>American Lives (cross-listed with Community &amp; Regional Planning 1007)</td>
<td>3</td>
</tr>
<tr>
<td>1042</td>
<td>Work in America</td>
<td>3</td>
</tr>
<tr>
<td>1901</td>
<td>Honors American Lives</td>
<td>3</td>
</tr>
<tr>
<td>2901</td>
<td>Honors Quest for the American Dream</td>
<td>3</td>
</tr>
<tr>
<td>Anthropology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1064</td>
<td>American Culture</td>
<td>3</td>
</tr>
<tr>
<td>Community and Regional</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
| **Planning** | People and Places (cross-listed with American Studies 1001) | 3 |
| **Education** | Education and Schooling in America | 3 |
| **English** | American Literature | 3 |
| | Honors American Literature | 3 |
| **Geography and Urban Studies** | Geography of United States and Canada | 3 |
| **History** | U.S. History to 1877 | 3 |
| | U.S. History since 1877 | 3 |
| | Honors U.S. History to 1877 | 3 |
| | Honors U.S. History since 1877 | 3 |
| **Legal Studies** | Racial Discrimination under the Law | 3 |
| **Music Studies** | Music in American Society | 3 |
| **Philosophy** | American Thinkers | 3 |
| **Political Science** | American Political System | 3 |
| | Honors American Political System | 3 |
| **Religion** | Religion in America | 3 |
| | Honors Religion in America | 3 |
| **Social Work** | History and Values of Social Welfare | 3 |
| **Sociology** | American Ethnicity | 3 |
| | Men and Women in American Society (cross-listed with Women’s Studies 1676/1696) | 3 |
| **Strategic and Organizational Communication** | Campaigns and Movements in America | 3 |
| | Honors Campaigns and Movements in America | 3 |
| **Tourism and Hospitality Management** | Leisure in American Culture | 3 |
| **Tyler** | Art, Race, and the American Experience | 3 |
| **Women’s Studies** | American Women’s Lives | 3 |
| | Men and Women in American Society (cross-listed with Sociology 1676/1696) | 3 |

### The Arts

Works of art - painting, sculpture, architecture, music, theater, dance, literature - are among the most significant representations of the cultures that produce them. Through the integration of intuitive and intellectual responses, students gain sensitivity to the expressiveness of the Arts. Core Arts courses also suggest the wider implications of art in historical and social contexts.

**Requirement:** One 3-credit course from this list.
Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Introduction to Design and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>1017</td>
<td>Photography and Visual Literacy</td>
<td>3</td>
</tr>
<tr>
<td>1196</td>
<td>History of Form of Cities</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors History of Form of Cities</td>
<td>3</td>
</tr>
<tr>
<td>2141</td>
<td>Architectural History: Ancient through Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>2142</td>
<td>Architectural History: Renaissance through 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>2941</td>
<td>Honors Architectural History: Ancient through Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>2942</td>
<td>Honors Architectural History: Renaissance through 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>1101</td>
<td>Introduction to Visual Language: Painting</td>
<td>3</td>
</tr>
<tr>
<td>1201</td>
<td>Introduction to Visual Language: 3-D Design</td>
<td>3</td>
</tr>
<tr>
<td>1401/1496</td>
<td>Introduction to Visual Language: Drawing</td>
<td>3</td>
</tr>
<tr>
<td>1501</td>
<td>Introduction to Visual Language: Design</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors Introduction to Visual Language: Drawing</td>
<td>3</td>
</tr>
<tr>
<td>1001</td>
<td>The Visual Experience</td>
<td>3</td>
</tr>
<tr>
<td>1003</td>
<td>History of Art in Rome (taught only in Rome)</td>
<td>3</td>
</tr>
<tr>
<td>1155</td>
<td>Art Heritage Western World I</td>
<td>3</td>
</tr>
<tr>
<td>1156</td>
<td>Art Heritage Western World II</td>
<td>3</td>
</tr>
<tr>
<td>1801</td>
<td>Arts of Asia</td>
<td>3</td>
</tr>
<tr>
<td>1955</td>
<td>Honors Art Heritage Western World I</td>
<td>3</td>
</tr>
<tr>
<td>1956</td>
<td>Honors Art Heritage Western World II</td>
<td>3</td>
</tr>
<tr>
<td>2990</td>
<td>Honors Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>1802</td>
<td>Arts of Asia</td>
<td>3</td>
</tr>
<tr>
<td>2801</td>
<td>Dance as Art</td>
<td>3</td>
</tr>
<tr>
<td>2802</td>
<td>Pathways in American Dance</td>
<td>3</td>
</tr>
<tr>
<td>1131</td>
<td>Introduction to Drama</td>
<td>3</td>
</tr>
<tr>
<td>1197</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>1902</td>
<td>Honors Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>1903</td>
<td>Honors Introduction to Drama</td>
<td>3</td>
</tr>
<tr>
<td>1003</td>
<td>Greek Drama and Greek Culture</td>
<td>3</td>
</tr>
<tr>
<td>1903</td>
<td>Honors Greek Drama and Greek Culture</td>
<td>3</td>
</tr>
<tr>
<td>1651</td>
<td>Art of Floral Design I</td>
<td>3</td>
</tr>
<tr>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
</tr>
<tr>
<td>1761</td>
<td>Introduction to Music</td>
<td>3</td>
</tr>
<tr>
<td>1961</td>
<td>Honors Introduction to Music</td>
<td>3</td>
</tr>
<tr>
<td>1061</td>
<td>Art and Society</td>
<td>3</td>
</tr>
<tr>
<td>1004</td>
<td>Religion and the Arts</td>
<td>3</td>
</tr>
<tr>
<td>1002</td>
<td>Theater: The Collaborative Art</td>
<td>3</td>
</tr>
</tbody>
</table>
Individual and Society

Core Individual and Society courses involve the study of contemporary society. Topics include political and economic organizations, social development, problems faced by minority groups, relationships between individuals, and the rights and responsibilities that accompany membership in a community.

Requirement: One 3-credit course from this list.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1062</td>
<td>Introduction to Anthropology: A Four-Field Integrated Approach to Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>1901</td>
<td>Honors Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Introduction to the Economy (formerly C053)</td>
<td>3</td>
</tr>
<tr>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>1901</td>
<td>Honors Macroeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>1902</td>
<td>Honors Microeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>1903</td>
<td>Honors Economic Principles</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1051/1096</td>
<td>Environment and Society (cross-listed with Geography &amp; Urban Studies 1051/1096)</td>
<td>3</td>
</tr>
<tr>
<td>Geography and Urban Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1051/1096</td>
<td>Environment and Society (cross-listed with Environmental Studies 1051/1096)</td>
<td>3</td>
</tr>
<tr>
<td>1021</td>
<td>Urban Society: Race, Class, and Community</td>
<td>3</td>
</tr>
<tr>
<td>1951</td>
<td>Honors Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>Healthcare Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3501</td>
<td>Introduction to Healthcare Management</td>
<td>3</td>
</tr>
<tr>
<td>Health Related Professions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1101</td>
<td>Contemporary Aspects of Disability</td>
<td>3</td>
</tr>
<tr>
<td>Journalism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1111</td>
<td>Journalism and Society</td>
<td>3</td>
</tr>
<tr>
<td>Legal Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Law in Society</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors Law in Society</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Philosophical Challenges to the Individual</td>
<td>3</td>
</tr>
<tr>
<td>1062</td>
<td>Morality and the Law</td>
<td>3</td>
</tr>
<tr>
<td>1962</td>
<td>Honors Morality and the Law</td>
<td>3</td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1103</td>
<td>The Individual, Race, and American Political Life</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1061</td>
<td>Psychology as a Social Science (formerly C050)</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors Psychology as a Social Science</td>
<td>3</td>
</tr>
<tr>
<td><strong>Religion</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Religion and Society</td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Work</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3007</td>
<td>Human Behavior in the Social Environment</td>
<td>3</td>
</tr>
<tr>
<td><strong>Sociology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1176/1196</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>1376/1396</td>
<td>Sociology of Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td>1166</td>
<td>Money: Who Has It, Who Doesn't, Why It Matters</td>
<td>3</td>
</tr>
<tr>
<td>1996</td>
<td>Honors Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Women’s Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1096</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

## International Studies or Language

Developing an awareness and understanding of cultures other than one's own is a fundamental component of a liberal education. In the International Studies or Language area of the Core, students study a language other than English, study cultures outside the United States, combine language study and International Studies courses, or study abroad.

**Requirement:** Students matriculating at Temple for the first time in the fall of 1996 and after satisfy the requirement with any one of the options listed below.

Students who entered Temple before the fall of 1996 satisfy the Language or International Studies requirement in effect at the time they first matriculated.

**Notes:**
The first, second, and third levels of all basic language study are numbered 1001, 1002, and 1003, respectively (except in the equivalent intermediate 2001 level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese).

For the purposes of meeting this Core requirement, placing into a course through Temple's language placement exam indicates satisfactory completion of the previous level (for example, a student who has placed into 1003 is considered to have completed 1002).

**INTERNATIONAL STUDIES OR LANGUAGE OPTIONS:**

- **Language option:** Successful completion of the third semester of a language (1003 for French, German, Italian, Spanish, and Portuguese; or the equivalent intermediate 2001 level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese). Students whose native language is not English may fulfill this requirement by treating English as a foreign language and completing all Core composition and writing intensive requirements. Students in this category present the Test of English as a Foreign Language (TOEFL) scores with the admissions application.

- **International Studies option (revised March 2007):** Successful completion of two 3-credit courses from the list below.

- **Combination option:** Successful completion of the second semester (1002 of a language and one 3-credit International Studies course from the list below.

- **Study abroad option (revised March 2007):** Students may substitute courses taken in an approved study abroad experience for one or both of the Core International Studies courses. Such programs as Temple University Rome, Temple University Japan, Temple in West Africa, the School of Communications and Theater program in London, the Latin American Studies Semester, and pre-approved summer programs qualify. Students who take 3 credits in an approved study abroad program fulfill the equivalent of one IS Core course requirements, and those who take 6 credits fulfill the equivalent of two IS Core course requirements. Students who wish to fulfill their International Studies requirement with courses taken in a study abroad program should inquire and consult about this with an academic advisor in their school or college. See International Programs and Study Abroad for information on Temple’s and other study abroad programs.

**PLEASE NOTE COLLEGE/DEPARTMENTAL REQUIREMENTS:**

Bachelor of Arts candidates in Communication Sciences are required by their department to complete both a foreign language requirement and a non-western International Studies course requirement. This requirement has not been revised.
Bachelor of Arts candidates in the College of Liberal Arts, College of Science and Technology and Tyler Art History are required by their college to complete both a foreign language requirement and an International Studies course requirement. The revised options for these students are as follows:

- **Option 1 – Revised** - Successful completion of the second semester 1002/0052 of a language and two 3-credit courses from the approved International Studies list. Students are no longer required to complete a non-western International Studies course, and now may use any International Studies courses to satisfy this requirement.

- **Option 2 – NO CHANGE** - Successful completion of the third semester of a language (1003 for French, German, Italian, Spanish and Portuguese; or the equivalent intermediate 2001 level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese) and one 3-credit International Studies course from the approved International Studies list. Students whose native language is not English may fulfill this requirement by treating English as a foreign language and completing all Core composition and writing intensive requirements. Students in this category present the Test of English as a Foreign Language (TOEFL) scores with their admissions applications.

**INTERNATIONAL STUDIES COURSES**

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>African American Studies</strong></td>
<td></td>
</tr>
<tr>
<td>*1261</td>
<td>Africa in the 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>*1968</td>
<td>Honors Africa in the 20th Century</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Anthropology</strong></td>
<td></td>
</tr>
<tr>
<td>*1061</td>
<td>Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>*1065</td>
<td>Origins of Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>*1961</td>
<td>Honors Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Art History</strong></td>
<td></td>
</tr>
<tr>
<td>1148</td>
<td>International Cinema</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Asian Studies</strong></td>
<td></td>
</tr>
<tr>
<td>1101</td>
<td>Introduction to World Religions</td>
<td>3</td>
</tr>
<tr>
<td>*1102</td>
<td>Introduction to Asian Religions</td>
<td>3</td>
</tr>
<tr>
<td>*1801</td>
<td>Chinese and Japanese Literature in Cultural Context</td>
<td>3</td>
</tr>
<tr>
<td>*2073</td>
<td>East and South Asia</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Critical Languages</strong></td>
<td></td>
</tr>
<tr>
<td>*1801</td>
<td>Chinese and Japanese Literature in Cultural Context</td>
<td>3</td>
</tr>
<tr>
<td>1901</td>
<td>Honors Chinese and Japanese Literature in Cultural Context</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Dance</strong></td>
<td></td>
</tr>
<tr>
<td>*2803</td>
<td>Dance in Human Society</td>
<td>3</td>
</tr>
<tr>
<td>*2904</td>
<td>Honors Dance in Human Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Economics</strong></td>
<td></td>
</tr>
<tr>
<td>1103</td>
<td>Global Economic Issues</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>French</strong></td>
<td></td>
</tr>
<tr>
<td>*1221</td>
<td>Africa, the Caribbean, and France</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Geography and Urban Studies</strong></td>
<td></td>
</tr>
<tr>
<td>*1025</td>
<td>World Urban Patterns</td>
<td>3</td>
</tr>
<tr>
<td>*1031</td>
<td>Geography of World Affairs</td>
<td>3</td>
</tr>
<tr>
<td>1097</td>
<td>World Urban Patterns</td>
<td>3</td>
</tr>
<tr>
<td>1961</td>
<td>Honors World Urban Patterns</td>
<td>3</td>
</tr>
<tr>
<td>*2073</td>
<td>African Development</td>
<td>3</td>
</tr>
<tr>
<td>*2074</td>
<td>East and South Asia</td>
<td>3</td>
</tr>
</tbody>
</table>
Quantitative Reasoning

Core Quantitative Reasoning courses contribute to students' educational breadth and intellectual development. They provide knowledge and skills needed in other courses and in the academic majors. These tools are also essential for everyone living and working in an increasingly technical and technological world. These courses are designed to sharpen students' problem-solving skills, enhance their understanding of formal reasoning and logical analysis, strengthen their ability to use language and symbolic expression in a disciplined way, and acquaint them with methods for handling quantified or quantifiable data.

© 2007, Temple University. All rights reserved.
**Requirement:** One first-level (QA) course and one second-level (QB) course from the lists below.

**Note:** Students should complete their QA course (with the Core grade of C- or higher) before taking a QB course. The appropriate QA courses and any other prerequisites for each QB course are indicated in the Undergraduate Course Descriptions published separately from this Bulletin.

Placement into and successful completion of Mathematics 1031, 1041, 1941 or Statistics 1102 or 1902 satisfies the entire Quantitative Reasoning requirement.

**Note:** Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST LEVEL (QA) COURSES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>1021</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>1022</td>
<td>Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>1911</td>
<td>Honors College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Statistics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Precalculus for Business</td>
<td>3</td>
</tr>
<tr>
<td><strong>SECOND LEVEL (QB) COURSES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer and Information Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1053</td>
<td>Programming in Matlab</td>
<td>4</td>
</tr>
<tr>
<td>1057</td>
<td>Computer Programming in C</td>
<td>3 to 4</td>
</tr>
<tr>
<td>1073</td>
<td>Computer Programming and Higher Level Languages</td>
<td>4</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2602</td>
<td>Criminal Justice Research and Analysis (new in 2000; Core credit for 0161 retroactive to 1990)</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1012</td>
<td>Elements of Mathematical Thought</td>
<td>3</td>
</tr>
<tr>
<td>1013</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>1031</td>
<td>Differential and Integral Calculus</td>
<td>4</td>
</tr>
<tr>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>1912</td>
<td>Honors Elements of Mathematical Thought</td>
<td>3</td>
</tr>
<tr>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>1951</td>
<td>Honors Differential and Integral Calculus</td>
<td>4</td>
</tr>
<tr>
<td>Music Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
</tr>
<tr>
<td>Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1066</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>1966</td>
<td>Honors Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1167</td>
<td>Social Statistics</td>
<td>3</td>
</tr>
<tr>
<td>1967</td>
<td>Honors Social Statistics</td>
<td>3</td>
</tr>
<tr>
<td>3201</td>
<td>Statistical Methods in Sociology (New in 2002; Core credit for 0201 retroactive to 1990)</td>
<td>4</td>
</tr>
</tbody>
</table>
Science and Technology

An understanding of the methods, values, and impact of scientific and technological issues is crucial in developing an awareness of the forces that affect life in contemporary society. Core Science and Technology courses are designed to address these concerns.

Requirement: A sequence of one first-level (SA) course and one second-level (SB) course from these lists.

The proper sequences of Science and Technology courses are indicated by numbers in the lists. The first-level (SA) courses are numbered (1) through (23). Following each second-level (SB) course is the number of credits it carries and then, in parentheses, the number or numbers of SA course(s) it can follow. Examples: 1) A student who has taken Biology 1007 (#1) as an SA course may take as an SB course Anthropology 1055, any of the Biology SB courses except 1902 and any of the SB courses that can follow any SA course (labeled “1-23”). 2) Someone who plans to take Anthropology 1055 as an SB course must first take Biology 1001, 1007, 1011, or 1901 as the SA course.

Students should not take an SB course unless an appropriate prerequisite SA course has been completed with a grade of C- or higher.

Transferring Science and Technology courses into Temple

It is preferable that transfer students completing the whole Core, especially from community colleges with which Temple has transfer course equivalency agreements, take science and technology courses equivalent to Temple courses and in sequences matching Temple's Core sequences. Nevertheless, students who transfer in a science/technology course or courses not equivalent to Temple Core courses, or not consistent with Temple Core sequences, have satisfied the Core Science/Technology requirement if by graduation they have credit for two courses (at least 6 credits) in the natural sciences, at least one of which has a laboratory or demonstration component. An unusual sequence of transfer courses may be accepted with the approval of the student's advisor and the Assistant Vice Provost for First Year and Transfer Programs. This policy applies only to courses brought into Temple in transfer, or to combinations of courses in which at least one course was brought in by transfer, not to two courses taken here. This policy applies only to the Core Science and Technology requirement, not to departmental, collegial, or other curricular requirements. (This policy was effective as of May 1995 and is retroactive.)

Transfer students with 45 or more transfer credits meet the science requirement of the 45+ Transfer Core: One course in the natural sciences with a laboratory component (Biology, Botany, Chemistry, Geology, Physics, or interdisciplinary science); or a direct transfer equivalent of a Temple Core "Science/Technology A" course; or if taken at Temple, a Core "SA" course with a lab - see note for lab information in course description. (3-4 credits)

Notes:

• Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.
• Starting in the Fall 2007, the College of Science & Technology will phase out Physics 1011 and 1012. Students are advised to register for Physics 1021 and 1022 instead of Physics 1011 and 1012.

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1007</td>
<td>Foundations of Biology</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>1001</td>
<td>Human Biology</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>1901</td>
<td>Honors General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Course #</td>
<td>Course Name</td>
<td>Credits</td>
<td>(SA courses)</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>8</td>
<td>1911 Honors Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1111 General Botany</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>1011 Chemistry: The Study of Matter I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1021/1023 Introduction to Chemistry I</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>1031/1033 General Chemistry I</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1041/1043 General Chemical Science I</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>1951/1953 Honors General Chemistry I</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>2921/2923 Organic Chemistry for Honors I</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>1001 Introduction to Geology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>1223 Human Anatomy and Physiology I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>1001 Physics: Matter and Motion</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>1005 Light, Art, and Nature</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>1003 Acoustics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>1011 College Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>1021 Introduction to General Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>1061 Elementary Classical Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>1901 Honors Physics: Matter and Motion</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### SECOND LEVEL (SB) COURSES AND CREDITS, with appropriate SA courses in parentheses

#### American Studies

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2941</td>
<td>Technology and American Culture</td>
<td>3</td>
<td>(1-23)</td>
</tr>
</tbody>
</table>

#### Anthropology

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1055</td>
<td>Introduction to Physical Anthropology</td>
<td>4</td>
<td>(1-4)</td>
</tr>
</tbody>
</table>

#### Biology

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002</td>
<td>Ecosystems</td>
<td>4</td>
<td>(1-3)</td>
</tr>
<tr>
<td>1003</td>
<td>Applied Biology</td>
<td>3</td>
<td>(1-2)</td>
</tr>
<tr>
<td>1008</td>
<td>Human Development</td>
<td>4</td>
<td>(1-3)</td>
</tr>
<tr>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>(1-3)</td>
</tr>
<tr>
<td>1015</td>
<td>Marine Biology</td>
<td>4</td>
<td>(1-3)</td>
</tr>
<tr>
<td>1902</td>
<td>Honors General Biology II</td>
<td>4</td>
<td>(4)</td>
</tr>
<tr>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>(8)</td>
</tr>
</tbody>
</table>

#### Botany

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2121</td>
<td>Plant Physiology</td>
<td>4</td>
<td>(5)</td>
</tr>
</tbody>
</table>

#### Chemistry

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1012</td>
<td>Chemistry: Study of Matter II</td>
<td>4</td>
<td>(6)</td>
</tr>
<tr>
<td>1022/1024</td>
<td>Introduction to Chemistry II</td>
<td>3/1</td>
<td>(7)</td>
</tr>
<tr>
<td>1032/1034</td>
<td>General Chemistry II</td>
<td>3/1</td>
<td>(9)</td>
</tr>
<tr>
<td>1042/1044</td>
<td>General Chemical Science II</td>
<td>3/1</td>
<td>(10)</td>
</tr>
<tr>
<td>1952/1954</td>
<td>Honors General Chemical Science II</td>
<td>3/1</td>
<td>(11)</td>
</tr>
<tr>
<td>2922/2924</td>
<td>Organic Chemistry for Honors II</td>
<td>3/1</td>
<td>(12)</td>
</tr>
</tbody>
</table>

#### Computer and Information Sciences

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1055</td>
<td>Computers and Applications</td>
<td>4</td>
<td>(1-23)</td>
</tr>
<tr>
<td>1955</td>
<td>Honors Computers and Applications</td>
<td>4</td>
<td>(1-23)</td>
</tr>
</tbody>
</table>

#### Electrical Engineering

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
<th>(SA courses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1014</td>
<td>Evolution of Modern Electronic Systems</td>
<td>3</td>
<td>(1-23)</td>
</tr>
<tr>
<td>1022</td>
<td>Technology and You</td>
<td>3</td>
<td>(1-23)</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved. 129
Different views of what "race" is and has been, the importance of personal and social racial identities, the impact of racism on individuals and institutions across cultures, historically, and in the United States today--all of these are studied in courses in the Studies in Race area of the Core. The knowledge and the communication skills gained in these courses help students better understand a critical aspect of their society and their own experience. Such understanding is essential for living and working in our racially-diverse world.

The Required Course Indicators (RCI) of Studies in Race courses are important indicators of Core credit. Unlike the courses in other Core areas, but like Writing-Intensive courses, Studies in Race courses may fulfill a requirement for another Core area at the same time that they meet the Studies in Race requirement. Some even meet the Studies in Race requirement, another Core requirement, and the requirement for Writing-Intensive courses. The following RCI codes are specific to Studies in Race courses:

- **RA** - Studies in Race and the Arts
- **RC** - Studies in Race and Composition
- **RG** - Studies in Race and International Studies
- **RN** - Studies in Race and Individual and Society
- **RS** - Studies in Race
- **RU** - Studies in Race and American Culture
- **WR** - Studies in Race and Writing-Intensive
- **XA** - The Arts, Studies in Race, and Writing-Intensive
- **XC** - American Culture, Studies in Race, and Writing-Intensive
- **XN** - The Individual and Society, Studies in Race, and Writing-Intensive
- **XS** - International Studies, Studies in Race, and Writing-Intensive

These RCI codes appear in parentheses next to the course numbers in the course list below.
See Core Course Numbering at the beginning of the Core Curriculum section for a full list of the Core RCI codes.

Note that Studies in Race courses may also have non-Studies in Race versions that do not meet the Studies in Race requirement.

Requirement: One 3-credit course from this list.

The Studies in Race requirement applies to Temple undergraduates who matriculated as freshmen in fall 1993 (having completed fewer than 15 semester hours before then) and after and to transfer students matriculating as Temple undergraduates in fall 1994 and after, who are not classified as Core-to-Core.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Vice Provost for Undergraduate Studies.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>African American Studies</td>
<td></td>
</tr>
<tr>
<td>2934 (RS)</td>
<td>Honors Literature of Am Slavery</td>
<td>3</td>
</tr>
<tr>
<td>4248 (RS)</td>
<td>Dimensions of Racism</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>American Studies</td>
<td></td>
</tr>
<tr>
<td>2107 (RS)</td>
<td>Asian American Experiences</td>
<td>3</td>
</tr>
<tr>
<td>3071 (RS)</td>
<td>African American Experiences</td>
<td>3</td>
</tr>
<tr>
<td>3075 (RS)</td>
<td>Literature of American Slavery</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Anthropology</td>
<td></td>
</tr>
<tr>
<td>1062 (RN)</td>
<td>Introduction to Anthropology: A Four-Field Integrated Approach to Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Asian Studies</td>
<td></td>
</tr>
<tr>
<td>2107 (RS)</td>
<td>Asian American Experiences</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Communication Sciences</td>
<td></td>
</tr>
<tr>
<td>2111 (RS)</td>
<td>Language and Race</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>4003 (RS)</td>
<td>Urban Minorities and the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Dance</td>
<td></td>
</tr>
<tr>
<td>2805 (RS)</td>
<td>Dance, Movement, and Pluralism</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>1022 (RC)</td>
<td>College Composition (Studies in Race version)</td>
<td>3</td>
</tr>
<tr>
<td>2401 (RS)</td>
<td>African-American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>2402 (RS)</td>
<td>African-American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>2713 (RS)</td>
<td>Art of the Film</td>
<td>3</td>
</tr>
<tr>
<td>2822 (RS)</td>
<td>Language and Race</td>
<td>3</td>
</tr>
<tr>
<td>3414 (RS)</td>
<td>Blacks/Literature/Drama/Media</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>1096 (XN)</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Geography and Urban Studies</td>
<td></td>
</tr>
<tr>
<td>1021 (RN)</td>
<td>Urban Society: Race, Class, and Community</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Greek and Roman Classics</td>
<td></td>
</tr>
<tr>
<td>2003 (RG)</td>
<td>Race in Greece and Rome</td>
<td>3</td>
</tr>
<tr>
<td>2903 (RG)</td>
<td>Honors Race in Greece and Rome</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>History</td>
<td></td>
</tr>
<tr>
<td>1103 (RS)</td>
<td>Race and Ethnicity in American History</td>
<td>3</td>
</tr>
<tr>
<td>1903 (RS)</td>
<td>Honors Race and Ethnicity in American History</td>
<td>3</td>
</tr>
<tr>
<td>2103 (RS)</td>
<td>African American History to 1865</td>
<td>3</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
List of Writing-Intensive Courses

Below is a comprehensive list of approved Writing Intensive courses that will satisfy the Core Writing Intensive requirement. This list includes current courses as well as courses that are no longer offered.

Some courses on this list fulfill the Writing Intensive requirement of the University Core and another Core requirement. To determine which Core requirements a course fulfills, look for the Required Course Indicator (RCI) codes in the Course Descriptions catalog, the Course Schedule (TU Courses), or in the Course Renumbering Website.

The following are writing-related Required Course Indicator (RCI) codes and their meanings:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2104 (RS)</td>
<td>African American History 1865 to Present</td>
<td>3</td>
</tr>
<tr>
<td>2105 (RS)</td>
<td>Race and the U.S. Constitution</td>
<td>3</td>
</tr>
<tr>
<td>2107 (RS)</td>
<td>Asian American History</td>
<td>3</td>
</tr>
<tr>
<td>2702 (RS)</td>
<td>Imperialism, Race, and Empire</td>
<td>3</td>
</tr>
<tr>
<td>2703 (RS)</td>
<td>African Diaspora</td>
<td>3</td>
</tr>
<tr>
<td>2705 (RS)</td>
<td>Anti-Semitism/Holocaust/Racism</td>
<td>3</td>
</tr>
<tr>
<td>3201 (RS)</td>
<td>California Dreams, California Nightmares</td>
<td>3</td>
</tr>
<tr>
<td><strong>Jewish Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2705 (RS)</td>
<td>Anti-Semitism/Holocaust/Racism</td>
<td>3</td>
</tr>
<tr>
<td><strong>Kinesiology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4237 (RS)</td>
<td>Minorities in Sport and Physical Activity</td>
<td>3</td>
</tr>
<tr>
<td><strong>Legal Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1002 (RU)</td>
<td>Racial Discrimination Under the Law</td>
<td>3</td>
</tr>
<tr>
<td><strong>Nursing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4143 (RS)</td>
<td>Cultural Diversity in Health Care</td>
<td>3</td>
</tr>
<tr>
<td><strong>Philosophy</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2125 (RS)</td>
<td>Philosophy of African American Experiences</td>
<td>3</td>
</tr>
<tr>
<td>2925 (RS)</td>
<td>Honors Philosophy of African American Experiences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Political Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1103 (RN)</td>
<td>The Individual, Race, and American Political Life</td>
<td>3</td>
</tr>
<tr>
<td>3132 (RS)</td>
<td>Urban Politics and Problems</td>
<td>3</td>
</tr>
<tr>
<td>3196 (WR)</td>
<td>Urban Politics and Problems</td>
<td>3</td>
</tr>
<tr>
<td><strong>Religion</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1002 (RS)</td>
<td>Racial Justice: A Religious Mandate for Obedience and Revolt</td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Work</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3008 (RS)</td>
<td>Institutional Racism</td>
<td>3</td>
</tr>
<tr>
<td><strong>Sociology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1376 (RN)</td>
<td>The Sociology of Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td>1396 (XN)</td>
<td>The Sociology of Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td>1476 (RU)</td>
<td>American Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>1496 (XC)</td>
<td>American Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>2179 (RS)</td>
<td>Racial and Ethnic Stratification</td>
<td>3</td>
</tr>
<tr>
<td><strong>Strategic and Organizational Communication</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2296 (XC)</td>
<td>Campaigns and Movements in America</td>
<td>3</td>
</tr>
<tr>
<td>2996 (XC)</td>
<td>Honors Campaigns and Movements in America</td>
<td>3</td>
</tr>
<tr>
<td><strong>Tyler</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1197 (XC)</td>
<td>Art, Race, and the American Experience</td>
<td>3</td>
</tr>
<tr>
<td><strong>Women's Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2096 (WR)</td>
<td>The Politics of Diversity</td>
<td>3</td>
</tr>
<tr>
<td>2996 (WR)</td>
<td>Honors The Politics of Diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
• WI - Writing Intensive  
• WR - Writing Intensive and Studies in Race  
• XA - Writing Intensive, the Arts, and Studies in Race  
• XC - Writing Intensive, American Culture, and Studies in Race  
• XN - Writing Intensive, Individual & Society, and Studies in Race  
• XS - Writing Intensive, International Studies, and Studies in Race

Courses that are underlined in this list are designated departmental writing capstones. A writing capstone course is required in each academic major. If more than one capstone is listed here for a department, students in that major should consult their academic advisor to determine the appropriate course(s).

Courses in italics are no longer taught but still carry Core Writing-Intensive credit for students who have successfully completed them in previous semesters. The course numbers of those courses that are no longer offered begin with a letter (W, H, R, or X). The meanings of the letters are as follows:

- Course numbers on this list that begin with W indicated writing-intensive courses.
- Course numbers on this list that begin with H indicated writing-intensive courses that were part of the Honors Program.
- Course numbers on this list that begin with R indicated writing-intensive courses that also fulfilled the Studies in Race requirement.
- Course numbers on this list that begin with X indicated writing-intensive courses that also fulfilled one or two other Core requirements.

Effective first Summer Session 2007, currently approved Writing Intensive courses are numbered according to the Course Renumbering Guidelines. The four-digit course numbers will end in 96, 97 or 98. The course numbers for approved Honors Writing Intensive courses contain the number "9" as the second digit, end in 96, 97 or 98, and have "Honors" in the title.

Please note:
Non-Writing Intensive versions of Writing Intensive courses may also be offered. They have the same name as the Writing Intensive course, but they have not been designed to be writing-intensive and therefore, do not carry Core Writing Intensive credit. The four-digit course numbers for these courses will not end in 96, 97, or 98.

Below is the comprehensive list of all approved Writing-Intensive courses--they are not all offered each semester.

**Accounting**  
3596 Auditing  
4596 Senior Seminar in Accounting

**Actuarial Science**  
3596 Casualty Contingencies

**Adult and Organizational Development**  
1096 Introduction to Communication for Educators  
4396 Field Research: Practice in Professional Settings

**Advertising**  
4196 Morality, Law and Advertising

**African American Studies**  
1296 Introduction to African American Studies  
3296 The Black Family  
4096 Senior Seminar  
W054 Politics of Colonization  
W361 Studies in African American Literature

© 2007, Temple University. All rights reserved.
American Studies
2096 Asian Diaspora
2097 Asian Women in Transition
3096 The American Woman: Visions and Revisions
4097 Senior Seminar in American Studies
4098 Senior Independent Study
H190 Honors Radicalism in the United States
W140 Radicalism in the United States
W151 Asian American History

Anthropology
2396 Fundamentals of Cultural Anthropology
4396 History of Anthropological Theory
4397 Advanced Seminar in Medical Anthropology
4496 Research in Visual Anthropology
4796 Biocultural Adaptation
4797 Evolutionary Perspectives on Reproduction
4798 Seminar in Human and Primate Evolution
W324 Seminar in Genetic Basis of Human Variation
W332 Anthropological Photography

Architecture
1196 History of Form of Cities
1996 Honors History of Form of Cities
3096 Vernacular Architecture
3196 Nonwestern Architectural History Seminar
4096 Professional Practice
4596 Seminar in Architectural Theory
X001 Introduction to Design and the Environment

Art
1496 Introduction to Visual Language: Drawing
1996 Honors Introduction to Visual Language: Drawing
4796 Art Seminar

Art History
2096 Topics in Art History
2196 Greek and Roman Sculpture
2197 Topics in Art History
2198 Topics in Art History
2296 Topics in Art History
2496 Baroque/Rococo: Italy and Spain
2596 Baroque/Rococo: Northern
W111 Art of Greece
W112 Art of Ancient Rome
W278 Art Nouveau

Asian Studies
2096 Writing Seminar I
2097 Asian Diaspora
2098 Japanese Popular Culture and Its Literature
2696 Introduction to Islam
3096 Writing Seminar II
3696 Asian Women in Transition
4096 Seminar in Asian Studies
4696 Modern Japan: Empire, War, Society
W122 Introduction to Buddhism
W162 Indian Religion
W303 Topics in Asian Studies I
W304 Topics in Asian Studies II
Biology
3096 Cell Structure and Function
3196 Experimental Marine Biology
W202 Cell Function

Broadcasting, Telecommunications and Mass Media
3196 Writing Workshop
4296 History of Broadcasting
4496 Global Telecommunications
4497 Mass Media and Children
4596 Broadcast Production Practicum
4696 Communication in Organizations
W349 Advanced Topics in Social Processes

Business Administration
4196 Business Policies
4996 Honors Business Policies
W391 Honors Business Policies

Chemistry
4196 Techniques of Chemical Measurement II
4396 Physical Chemistry Laboratory

Civil and Construction Engineering Technology
4396 Capstone in Construction
4397 Capstone in Design

Civil Engineering
2396 Environmental and Safety Aspects of Construction
W001 Introduction to Civil Engineering

Communication Sciences
1596 Introduction to Human Communication
2197 Communication Deviations and Disorders
3297 Syntax
4396 Field Research in Communication
4396 Orientation to Clinical Management
W106 Psychology of Communication
W311 Goals and Strategies for Communication Instruction

Community and Regional Planning
4896 Senior CRP Capstone Seminar

Computer and Information Sciences
4296 Information Systems Analysis and Design
4298 Software Engineering
4396 Information System Implementation
W201 Information Systems Analysis and Design
W223 Data Structures and Algorithms
W301 Project in Information Science

Crafts
4196 Tyler Art Workshop in Scotland (capstone in Ceramics/Glass)
4496 Business Practices in Crafts (capstone in Metals)
W292 Metals Concepts and Criticism

Criminal Justice
2696 Planned Change in Criminal Justice
W130 Nature of Crime
Critical Languages
W120 Japanese Popular Culture and Literature
H190 Honors Japanese Popular Culture and Literature

Dance
2796 Dance Modernism in America, 1890s-1950s
2896 Dance Post-Modernism in America 1950s-Present
2897 Creative Process in Dance
4896 Senior Seminar

Economics
3596 Energy, Ecology and Economy
3597 Health Economics
3598 Economics Writing Seminar
W237 Economic Development of Modern Europe
X051 Macroeconomic Principles

Education
1196 Education and Schooling in America

Electrical Engineering
W090 Science and Technology: Yesterday, Today, and Tomorrow
W091 Technology and the 21st Century
H094 Engineering from Pyramids to Microchips

Electrical Engineering Technology
W166 Instrumentation and Measurement Laboratory
W373 Sensors and Data Acquisition

Engineering
3096 Economic Analysis (was W141, W241)
3496 Materials Science for Engineers
4196 Senior Design Project I
4296 Senior Design Project II

Engineering Technology
3396 Materials Technology (was Materials Science)
4296 Engineering Technology Project II
W123 Materials Technology

English
1197 Introduction to Literature
1198 Introduction to Fiction
2097 Introduction to English Studies
2196 Creative Writing: Poetry
2197 Women in Literature
2296 Creative Writing: Fiction
2297 Shakespeare
2496 Introduction to Writing Non-Fiction (was Developing Prose Style)
2596 Writing for Business and Industry
2696 Technical Writing
2796 Writing the Research Essay
2897 Literacy and Society
2898 Texts and Cultures of Science
3097 Feminist Theory
3196 Advanced Creative Writing: Poetry
3197 Themes and Genres in Women's Literature
3296 Advanced Creative Writing: Fiction
4096 Studies in Creative Writing
4097 Studies in Criticism

© 2007, Temple University. All rights reserved.
4098 Studies in Modern British Literature
4196 Studies in Literacy
4197 Studies in Poetry
4198 Studies in Irish Literature
4297 Studies in Drama
4298 Studies in Early American Literature
4397 Studies in Medieval Language and Literature
4398 Studies in 19th Century American Literature
4497 Studies in Shakespeare
4498 Studies in Modern American Literature
4597 Studies in Renaissance Literature
4598 Studies in African American Literature
4697 Studies in Restoration and 18th Century Literature
4698 Studies in World Literature
4797 Studies in Romanticism
4798 Advanced Topics: Postcolonial Studies
4897 Studies in the Victorian Age
4898 Studies in Film
H191 Honors Developing Advanced Literacy in College
W112 Technologies of Writing
W116 Survey of American Literature I
W211 English Syntax

English Education, Elementary
3296 Teaching Language Arts
3297 Teaching Introductory Language, Reading, and Writing

Environmental Engineering Technology
4796 Pollution Control Processes

Environmental Studies
1096 Environment and Society
2596 Philosophical Perspectives on the Environment
3097 Environment and Development
4096 Problems of Environmental Quality
4198 Senior Research Seminar
4297 Social History of American Medicine
4796 Biocultural Adaptations in Human Populations

Film and Media Arts
3396 Writing for Media II
3696 Topics in Film Study
4697 History of Narrative Film
4698 History of Documentary
W362 Contemporary American Documentary

Finance
4596 Seminar in Financial Management
W213 Bank Management

French
2096 Composition I
3096 Composition II

General and Strategic Management
4596 Advanced Entrepreneurship
4597 International Strategic Management
Geography and Urban Studies
1096 Environment and Society
1097 World Urban Patterns
2097 Urban Systems in Global Economy
3096 Urban Policy Analysis (was W120, W221)
3097 Environment and Development
4096 Problems of Environmental Quality
4097 Gender, Race, Class and the City
4197 Research Methods in Geography and Urban Studies
4198 Senior Seminar in Geography and Urban Studies
W050 Environment and Society
X080 Geography of the United States and Canada

Geology
4096 Structural Geology
4197 Environmental Seminar
4997 Honors Environmental Seminar
W301 Igneous and Metamorphic Petrology

German
3096 Composition I

Graphic Art and Design
3896 Art Career Workshop
4196 Senior Portfolio
W214 Graphic Design Workshop in Japan

Greek, Ancient
3096 Readings in Greek Literature I

Greek and Roman Classics
2797 Jewish Humor: Past and Present
3096 Romans and Their Literatures
3196 Classical Greek and Roman Mythology
3296 Comparative Mythology
3396 Classical Epic
3496 Writing Seminar
3596 Ancient Cities: Periclean Athens
3696 Ancient Cities: Hellenistic Alexandria
3796 Ancient Cities: Augustan Rome
3797 Literature and Art of the Holocaust
3896 Ancient Cities: Byzantium
3996 Honors Comparative Mythology
W160 Ancient Historians
W161 Ancient Historians
W240 Literatures
W253 Hebrew Myth and Legend
W260 Topics in Cultures
W261 Topics in Cultures
W266 Ancient Cities
W290 Classical Mythology
W292 Topics in Classical Culture
X071 Greek Drama and Greek Culture

Health Information Management
4197 Human Resource Management in Health Information Systems
4298 Health Information Management Case Studies
W181 Acute Care Internship
W281 Nonacute Care Internship
Health Related Professions
W312 Research Methodology

Healthcare Management
4596 Integrated Delivery Systems and Managed Care
X101 Introduction to Healthcare Management

Hebrew
3098 Readings I
3798 Writing Seminar
W279 Literature and Art of the Holocaust (in translation)

History
1997 Honors World History: Ancient
3696 Asian Women in Transition
4296 Writing Seminar in American History
4297 Social History of American Medicine (was W257, W370)
4496 Eastern Europe: Nationalism, Authoritarianism, and Communism (was W256, W355)
4497 Writing Seminar in European History
4696 Writing Seminar in Third World History
4697 Modern Japan: Empire, War, Society
4698 Revolutionary Mexico
4896 Jews, Judaism, and the Modern World
4897 Contemporary Theory and Practice of History
W105 Beginnings of European Civilization
W106 Medieval and Renaissance Europe
W111 Asian Diaspora
W156 Modern Jewish History
W178 Eastern Europe in the 20th Century
W257 History of American Medicine
W355 Eastern Europe: Nationalism, Authoritarianism, Communism (was W178)
X067 U.S. History to 1877
X094 Honors World History: Modern

Horticulture
4896 Senior Seminar

Human Resource Management
4596 Organization and Staffing

Intellectual Heritage
1196 Intellectual Heritage I
1996 Honors Intellectual Heritage I
1297 Intellectual Heritage II
1997 Honors Intellectual Heritage II

Italian
2096 Composition I: Italian Composition and Conversation
3096 Composition II: Advanced Writing Skills
4096 Creative Writing through Reading

Japanese
2096 Japanese Popular Culture and Literature (formerly in Critical Languages department)
2996 Honors Japanese Popular Culture and Literature (formerly in Critical Languages department)

Jewish Studies
2496 Introduction to the Bible
3797 Literature and Art of the Holocaust
4096 Independent Study in Jewish Studies
4896 Modern Jewish History
W233 Jewish Humor: Past and Present

Journalism
2396 Magazine Article Writing
3196 Journalism and the Law
4596 Broadcast Production Practicum
W323 Advanced Public Relations Writing

Kinesiology
3296 Social and Psychological Aspects of Physical Activity

Landscape Architecture
2496 Western Traditions of Landscape Architecture (was W241, W318)
2497 American Traditions of Landscape Architecture (was W242, W319)
4198 Landscape Architecture Design VI: Spring Senior Studio (was W332, W393)
W318 Western Traditions of Landscape Architecture
W319 American Traditions of Landscape Architecture
W390 Fall Senior Seminar
W391 Spring Senior Seminar
W392 Fall Senior Studio
W393 Spring Senior Studio
W397 Senior Studio

Latin
3096 Readings in Latin Literature I

Latin American Studies
2097 Writing Seminar I
4097 Latin American Studies Seminar
W138 Topics in Latino Studies
W139 Topics in Caribbean Studies
W140 Topics in Latin American Studies I
W141 Topics in Latin American Studies II

Law S.B.M. (Legal Studies)
1996 Honors Law in Society
4596 Legal Research, Writing, and Advocacy
X093 Honors Tobacco in America
X199 Honors Law and Ethics in Business

Management Information Systems
3596 Business Process Analysis
4596 Information Systems Implementation

Marketing
3596 Consumer and Buyer Behavior
4596 Marketing Strategy Planning
W361 E-Commerce Marketing Strategy

Mathematics
2096 Mathematical Recreations
2196 Basic Mathematical Concepts
3098 Modern Algebra
4096 Senior Problem Solving
W062 A Cultural Approach to Mathematics
W092 Honors A Cultural Approach to Mathematics
W195 Honors Mathematical Recreations
X195 Honors Mathematical Recreations A
X196 Honors Mathematical Recreations B

© 2007, Temple University. All rights reserved.
Mechanical Engineering Technology
W223 Materials Technology (was W123)
W361 MET Project I
W362 MET Project II

Music Education
2696 Teaching General Music
4696 Music Therapy Research

Music Studies
3696 Music in History
3796 Music in History
3896 Theory Seminar II

Nursing
3297 Research Methods
3796 Teaching Strategies for Health Professionals
4197 Epidemiology in Nursing Systems
4297 Nursing Leadership
4896 Leadership for Registered Nurses
W202 Nursing IV

Occupational Therapy
W107 Clinical Reasoning I
W201 Applied Concepts of OT II
W205 Clinical Reasoning II
W207 Clinical Reasoning III

Organizational Studies
4096 Senior Seminar in Organizational Studies

Painting, Drawing and Sculpture
3596 Painting, Drawing, Sculpting Seminar

Philosophy
1196 Introduction to Philosophy
2596 Philosophical Perspectives on the Environment
4298 Senior Seminar
W050 Philosophic Issues
W293 Pre-Law Tutorial
X050 Philosophical Challenges to the Individual

Physics
4796 Experimental Physics

Political Science
1996 Honors Introduction to Political Philosophy
2496 Introduction to Political Philosophy
3196 Urban Politics and Problems
3197 Political Fiction
3296 Politics of Modern Capitalism
3396 The International Legal Order
3996 Junior Honors Capstone Seminar
3997 Junior Honors Capstone Seminar
4896 Capstone Seminar in Political Science
4996 Senior Honors Capstone Seminar
4997 Senior Honors Capstone Seminar

Psychology
1996 Honors Psychology as a Social Science
2196 Scientific Thinking in Psychology
4496 Capstone: History of Psychology
4596 Capstone: Fields of Psychology
4696 Capstone in Psychology
4796 Capstone: Research
4996 Capstone: Honors
4998 Honors Research Problems
W270 Research Methods: Learning
W271 Research Methods: Sensation and Perception
W274 Research Methods: Personality and Social Psychology
W275 Research Methods: Behavioral Neuroscience
W276 Research Methods: Cognitive Neuropsychology
W278 Research Methods: Developmental Psychology
W279 Research Methods: Applied Research Methodology

Public Health
3496 Introduction to Community Health Problems
3596 Administration of Health Education Programs
W312 Research and Evaluation

Real Estate
W106 Real Estate Valuation I

Religion
2096 Death and Dying
2496 Introduction to the Bible
2596 What is Christianity?
2696 Introduction to Islam
2996 Honors Death and Dying
4096 Capstone Seminar in Religion
W106 Religions of India
W122 Introduction to Buddhism

Risk Management and Insurance
4596 Advanced Topics in Health and Welfare Employee Benefits (was W320, W355)
4597 Global Corporate Risk Management
W218 Casualty Contingency
W360 Advanced Risk Management and International Insurance

Russian
4097 Fourth Year Russian I: Composition and Conversation

Secondary Education
3796 Reading Problems in the Secondary Schools

Social Work
4096 Seminar in Social Work Practice
4097 Seminar in Social Work Practice

Sociology
1196 Introduction to Sociology
1297 Comparative Societal Development
1396 Sociology of Race and Racism
1496 American Ethnicity
1696 Men and Women in American Society
1996 Introduction to Sociology
3196 Sociology of Education
3296 Selected Topics in Sociology: Popular Culture
3297 Political Sociology (capstone prior to 2002)
3596 Sociology of Organizations (capstone prior to 2002)
3597 Introduction to Population Studies: Demography
4096 Senior Seminar (was Doing Sociology in the Real World) (capstone as of 2002)
H099 Honors Sociology of Race and Racism
W216 Altered States of Consciousness
W241 Development of Sociological Thought
W249 Class in Modern Society (capstone prior to 2002)
W253 Aging: Sociology of Gerontology (capstone prior to 2002)
X092 Honors Men and Women in American Society

Spanish
2096 Composition and Conversation
3096 Advanced Writing Skills

Strategic and Organizational Communication
2296 Campaigns and Movements in America
2496 News Writing and Media Relations
2696 Diverse Communication and Leadership
2996 Honors Campaigns and Movements in America
3396 Analysis of Public Discourse
3596 Advanced Public Relations Writing
3796 Independent Research in Organizational Leadership

Theater
1096 Introduction to Theater Process
3096 Classical Tradition
3097 Romantic Tradition
4097 World of the Play

Therapeutic Recreation
3196 Research and Evaluation in Therapeutic Recreation
4196 Therapeutic Recreation Clinical Procedures

Tourism and Hospitality Management
1496 Leisure in American Culture
3196 Research Methodology
X081 Leisure and Culture in Developing Nations

Tyler School of Art
1197 Art, Race and the American Experience

Women's Studies
1096 Introduction to Women’s Studies
1696 Men and Women in American Society
2096 The Politics of Diversity
2197 Women in Literature
2996 Honors Politics of Diversity
3096 The American Woman: Visions and Revisions
3097 Feminist Theory
3197 Themes and Genres in Women's Literature
3997 Honors Feminist Theory
4097 Gender, Race, Class and the City
4396 Research Seminar
4696 Women in Modern Asia
W115 Special Topics: Women’s Studies
W375 Italian Women Writers from the Middle Ages to the Present
X091 Honors Introduction to Women’s Studies
GENERAL EDUCATION

Temple University plans to introduce a new program called the General Education (Gen Ed) program, which will feature innovative courses taught by dedicated, experienced faculty. This program will gradually replace the University Core Curriculum requirements. In the Fall 2008, all first-year students will be required to take Gen Ed courses instead of University Core courses. During the transition phase, Gen Ed courses will be offered as pilot courses that are available for students to take for Core credit.

Gen Ed courses are exciting because they make connections between what students are studying and what really matters - to students and to their future. Students will be more active in a Gen Ed course, as they develop their own opinions and discuss and debate controversial issues. Some Gen Ed classes will connect to current controversies: Philosophy in the light of illegal digital downloading; Evolutionary theory in the light of creationism; Biology in the light of the genetic patents. Some classes make connections between areas of study: Shakespeare through literature, dance and music; American culture through political science, history and the arts; Sustainability through geology, landscape architecture and ethics. Some Gen Ed courses make connections by giving students real experiences off-campus: Enriching the study of education policy by going into city schools and community centers; Enriching the study of criminal justice by taking mixed classes with inmates in local prisons; Enriching the study of community arts by working on a mosaic in a neighborhood part. Gen Ed is designed to prepare students to deal with a world where complicated issues call for the ability to see a problem from many different perspectives.

Philadelphia provides the context for much of the new program. Whether it is an arts course that takes students to museums, operas and alleyways, or a history course that brings students into contact with non-profit organizations, or a quantitative literacy course that has students grappling with data from Philadelphia Inquirer archives, we will mine the richness of our urban setting, and leverage that into a deeper understanding of global problems and connections.

Experience Temple education at its cutting edge - Try a Gen Ed course during academic year 2007-2008.

Find out more about General Education at www.temple.edu/gened.

DIVISION OF UNIVERSITY STUDIES

Division of University Studies
Dr. Peter R. Jones, Vice Provost for Undergraduate Studies
Dr. Karen Sofranko, Director, Student Services
1810 Liacouras Walk, Suite 101
Philadelphia, PA 19122-6029
215-204-2500
www.temple.edu/dus
dus@temple.edu

Introductory Information
Recognizing that not all students can or should declare an academic major upon entering college, University Studies is the academic home for students who have not yet decided on a major and students in pre-health professions programs.

Goals and Objectives
University Studies, formed in 1998, serves any Temple student who has not chosen a collegiate home or declared a major or who needs assistance while changing from one college to another. University Studies is not a degree-granting college. Rather it is an academic unit that exists to help students explore academic options and to gain admission to a degree-granting school or college at Temple. Students can remain in University Studies until completion of 60 credits, or approximately their first two years at the University.

Admissions
Transfer students with more than 60 credits cannot be admitted to Temple as an undeclared student in the Division of University Studies. Students admitted to Temple as a University Studies student can remain in the Division until they select a school/college major or upon completion of 60 credits. Pre-health professions students may remain in the Division until acceptance to the College of Health Professions or declaration of an alternative academic program of study.
Financial Aid and Scholarships

Division of University Studies Sophomore Scholarship - The DUS Sophomore Scholarship is awarded each spring to a current or former University Studies student who will be entering the sophomore year with a declared major. Students should be rising sophomores with a cumulative GPA of 3.5 or higher and a minimum of 30 completed credits. For more information and for an application, go to www.temple.edu/dus.

Special Programs

The Deciding Student Wing is a living/learning community for students who want to live in an environment promoting academic and career exploration. Undeclared students in University Studies are eligible to reside on the Wing, a floor with suite-style housing. Benefits include a resident peer advisor, freshman seminar, workshops and social events.

Honor Societies, Awards for Achievement

Academic Distinctions

During the academic year, University Studies students who achieve a semester grade point average (GPA) of 3.5 or above with 12 or more graded credits are named to the University Studies Distinguished Scholars List. Students receive congratulatory letters and are invited to a reception hosted by the Academic Resource Center.

Special Facilities

The Academic Information Center within the Academic Resource Center contains program information on all Temple schools/colleges and majors. Students can research majors and careers and use the computer stations to access Temple websites and OWLnet.

Academic Advising

The Academic Resource Center
1810 Liacouras Walk, Suite 101
215-204-2500
dus@temple.edu

Goal and Objectives

Students enrolled in University Studies use the advising services of the Academic Resource Center, an academic support program established in 1997 to meet the needs of deciding students. Any student at Temple, whether enrolled in University Studies or not, is welcome and encouraged to participate in the first-year programs or to use the services of the Academic Resource Center.

Academic advisors are important sources of information on University policies and procedures, the Core Curriculum requirements, and degree programs. While students must assume primary responsibility for knowing the requirements for their degree and for acquiring information about their academic status, academic advisors are a valuable resource. Advisors introduce students to the various sources of information available on academic programs, enabling students to be well-informed partners in their own education.

Students are strongly encouraged to meet regularly with academic advisors to discuss academic plans, course selection, and registration. Students not eligible for on-line registration are required to see an advisor for course selection and registration.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

At the Academic Resource Center, a staff of professional and peer advisors works closely with students from the time they arrive at Temple through their successful transitions into schools/colleges and declared majors. Advisors meet with students on walk-in and appointment bases in both individual and group advising sessions.

Services Provided through the Advising Office:

- Print and on-line information on Temple school/colleges and majors
• Assistance and counseling on declaring majors and completing the intra-university transfer process (IUT – transferring from one Temple school/college to another)
• An on-line newsletter with information about upcoming programs and events
• Workshops on academic planning and choosing a major
• Events showcasing different majors
• Visiting Faculty Advisors: Advisors from the College of Health Professions (CHP) are available at specific times to meet with students interested in learning more about their academic programs and degree requirements. CHP programs that provide visiting advisors include Nursing, Occupational Therapy, Health Information Management, and Physical Therapy.

Special advising policies and procedures
Enrollment in the Division of University Studies: Beginning fall 2002 and after, undergraduates matriculated in the Division of University Studies as undeclared majors and who entered University Studies as either freshmen, transfer students, or intra-university transfers from another Temple school or college prior to the completion of 45 credits, can remain in University Studies up to the completion of 60 credits. Students entering University Studies having completed between 45-59 credits can remain in University Studies up to two academic-year semesters if enrolled full-time or until completion of 60 credits if attending part-time.

Students enrolled in University Studies in pre-nursing or pre-health information management tracks can remain in the Division up to the completion of 60 credits or until acceptance into an upper-division College of Health Professions program, whichever comes first. Upon completion of 60 credits, pre-health professions students can remain in University Studies only if a University Studies or College of Health Professions advisor certifies the student is on track for admission following completion of remaining prerequisites.

University Studies students can declare majors throughout the year (except in January and August) in accordance with the declaration of major standards set forth by the individual schools and colleges and the intra-university transfer (IUT) guidelines established by the University. University Studies students can also request a change in status from undecided to an academic program within a college during their New Student Orientation visit.

Note: University Studies students must meet the University’s minimum standard for academic standing to remain enrolled in the Division.

Academic Policies and Regulations

Please see the Undergraduate Academic Policies. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies or exceptions for the Division of University Studies appear below.

Academic Course Load - Academic overloads during the fall and spring semesters, students who want to take 18 or more semester hours, need special approval of the Director of Student Services.

Program Performance – Upon completion of 45 credits, pre-nursing students in the Division of University Studies with non-competitive grade point averages (below 3.0) may receive an academic progress hold requiring them to see an academic advisor. These students will be required to meet with their advisor to discuss and develop an alternative academic plan as well as discuss strategies for improving their academic performance. Under the University's Declaration of Major Policy, students not in a degree-granting program upon completion of 60 credits will be prevented from future registrations.

Transfer between Colleges within the University: Intra-University Transfer (IUT) into the Division of University Studies - Students currently enrolled in other schools or colleges who are reconsidering their choice of major or who wish to explore other academic options may process an intra-university transfer application to enter University Studies as an undeclared major. To transfer into University Studies, students must have a 2.0 cumulative grade point average and fewer than 60 credits completed (transfer and/or Temple credits combined). Students entering University Studies having completed between 45-59 credits can remain in University Studies up to two academic-year semesters if enrolled full-time or until completion of 60 credits if attending part-time. All students interested in transferring into the Division of University Studies must meet with an academic advisor to discuss this transfer.
Students transferring (IUT) into the Division of University Studies for pre-nursing should have a minimum cumulative GPA of 3.0 based on credits completed to be competitive for nursing school consideration and should develop an alternative academic plan with an advisor.

Requests for Intra-University Transfer into the Division of University Studies for pre-health information management will be reviewed in consultation with the Department Chairperson for Health Information Management. Students should maintain at least a 2.5 minimum cumulative GPA for program consideration.

Grievances - Students can bring grievances to the Director of Student Services. Grievances regarding instructors and grades are referred to the grievance protocol for the school/college offering the course.

**General College Graduation Requirements**

The Division of University Studies is not a degree-granting college. It is an academic unit which exists to help students explore academic programs. All students must declare a major in one of Temple's undergraduate schools and colleges upon completion of 60 credits, including any credits transferred from other institutions.

**Individual Program Requirements**

1. The total number of credit hours needed to graduate may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices (including declaration of major and students credit totals at time major is declared), and academic progress.
2. Certain courses fulfill multiple requirements. Consult your advisor to plan your curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section of this Bulletin.

**Division of University Studies: Undeclared Option**

Dr. Karen Sofranko  
Director, Student Services  
1810 Liacouras Walk, Suite 101  
215-204-2500  
dus@temple.edu

Recognizing that not all students can or should declare an academic major upon entering college, Temple University established University Studies — the academic home for students who have not yet decided on a school/college or major. University Studies is not a degree-granting college. Rather, it is an academic unit which exists to help students explore academic options. All students must declare a major in one of Temple's degree-granting undergraduate schools and colleges upon completion of 60 credits, including any credits transferred from other institutions.

University Studies offers undeclared students a variety of services and programs to help them select an appropriate major. Students can use print and on-line resources in our Academic Information Center to research majors and careers and can participate in student success and academic exploration workshops held throughout the year. University Studies also maintains a file on curricular requirements of all Temple undergraduate majors.

**University Studies does not grant degrees and students cannot graduate with an “undeclared” or a “pre-health professions” curriculum designation.**

Upon declaring a major, students are required to fulfill the school/college and department requirements of that program. Because majors can stipulate particular courses they want their students to take in a Core area, a student who has already met a Core requirement with another course may still be required to take the course designated by the major.

**Suggested First-Year Program for the Undecided Student**

(This sample program allows students to satisfy University Core requirements while exploring academic interests and majors.)

<table>
<thead>
<tr>
<th>Year 1 - Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
### Year 1 – Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core: IH</td>
<td>1196</td>
<td>Intellectual Heritage I (Note: Non-native speakers can opt for an ESL version of this course)</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Core: QB (2nd course sequence)</td>
<td></td>
<td>Select an appropriate Core course as indicated. (Depends on placement exam, choice of QA and potential choice of major.)</td>
<td>3-4</td>
<td>QB</td>
</tr>
<tr>
<td>Core: AR</td>
<td></td>
<td>Select an appropriate Core course as indicated. (Consider potential choice of major.)</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Core: IS</td>
<td></td>
<td>Select an appropriate Core course as indicated. (Consider potential choice of major.)</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Core: LA/LB</td>
<td></td>
<td>Select an appropriate Core course as indicated. (Consider potential choice of major.)</td>
<td>3-4</td>
<td>LA/LB</td>
</tr>
<tr>
<td>Core or Major Exploration</td>
<td></td>
<td>Select an appropriate Core course as indicated. (Consider potential choice of major.) Review your DARS document.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>15-17</td>
<td></td>
</tr>
</tbody>
</table>

### Recommended Sequence of Courses and Prerequisites for Pre-Nursing Students:

#### Freshman Year – Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM</td>
<td>1021</td>
<td>Introduction to Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>CHEM</td>
<td>1023</td>
<td>Introduction to Chemistry Lab I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>English</td>
<td>1002 or 1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>MATH</td>
<td>1021</td>
<td>College Algebra</td>
<td>4</td>
<td>QA</td>
</tr>
<tr>
<td>SOC</td>
<td>1176</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>LA/IS</td>
<td>Core</td>
<td>International Studies/Foreign Language</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year – Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNSLOGY</td>
<td>1223</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>CHEM</td>
<td>1022</td>
<td>Introduction to Chemistry II</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>--------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>CHEM</td>
<td>1024</td>
<td>Introduction to Chemistry Lab II</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>PSYCH^</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Race *</td>
<td></td>
<td></td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

^Prerequisite for Psychology 2301 (Developmental Psychology)

*Students are encouraged to select a Studies in Race Core that will also count towards another Core area to reduce the credit load of one of the semesters.

### Sophomore Year – Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNSLOGY</td>
<td>1224</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>PSYCH</td>
<td>2301</td>
<td>Developmental Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AR Core</td>
<td>1167</td>
<td>Social Statistics</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>SOC</td>
<td>1167</td>
<td>Foundations in Statistical Methods ** or **</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>SOC</td>
<td>3201</td>
<td>Statistical Methods in Sociology ** or **</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16-17</td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year – Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing**</td>
<td>2111</td>
<td>Microbiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>AC Core</td>
<td></td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>LB/IS Core</td>
<td></td>
<td>International Studies/Foreign Language</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>PUBHLTH</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>3111</td>
<td>Nutrition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16-17</td>
<td></td>
</tr>
</tbody>
</table>

^^ Prerequisites - Kinesiology 1223 and 1224

### Recommended Sequence of Courses and Prerequisites for Pre-Health Information Management Students:

#### Freshman Year – Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>MATH</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>IN Core</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LA/IS Core</td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>12-13</td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year – Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNSLOGY</td>
<td>1223</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>LB/IS Core</td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>AC Core</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RS Core</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16-17</td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>C+IN SC</td>
<td>1055</td>
<td>Computers &amp; Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>English *</td>
<td>2596</td>
<td>Writing for Business &amp; Industry</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>HIM **</td>
<td>1101</td>
<td>Medical Terminology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General elective</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

* A recommended writing-intensive elective
** A recommended, but *not required*, elective

**CORE Legend**

Arts (AR), American Culture (AC), Studies in Race (RS), Language A/International Studies (LA/IS), Language B/International Studies (LB/IS), Quantitative Reasoning A (QA), Quantitative Reasoning B (QB), Individual & Society (IN), Science & Technology A (SA), Science & Technology B (SB), Writing Intensive (WI), Intellectual Heritage (IA/IB).

**Programs of Study - Chart of Degrees**

The Chart of Degrees lists Temple University's degree programs alphabetically, showing the name of the degree; which school or college grants the degree; and the campus or campuses on which all or most of the course work for the degree may be completed. To find a specific degree program in the chart, refer to the alphabetical menu on the left.

This is a general summary of programs available for incoming students.

**Note:** The link in the Program Name column goes to the page describing the program within the *Undergraduate Bulletin*.

<table>
<thead>
<tr>
<th>Major</th>
<th>Minor</th>
<th>Concentration</th>
<th>Certificate</th>
<th>Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors are listed under &quot;Program Name.&quot;</td>
<td>A minor is traditionally of more limited scope than a major. It stands alone within an undergraduate student's program, independent of the major.</td>
<td>A concentration is connected to a major program. It may or may not lead to a certificate or other credential, depending on the design of the program.</td>
<td>A certificate is a credit-bearing program of courses leading to a credential. It may or may not apply toward a degree. (This should not be confused with certification, a process by which an individual is accredited by an external accrediting body, such as a state board or professional board.)</td>
<td>One of two or more specified sequences through a major program, from which a student must choose one.</td>
</tr>
</tbody>
</table>

Information regarding the abbreviations found within the Chart of Degrees is provided in the key chart listed below.

Students should be aware that, while all programs cannot be completed on all campuses, courses in many programs are offered on multiple campuses. To learn what specific courses are offered on which campuses in a given semester, refer to the *Course Schedule*.

**Campus** - The baccalaureate degree can be completed at the campuses displayed in **bold** only.
### Key for Campuses

- **A** -- Ambler
- **BC** -- Bucks County Community College
- **CC** -- Temple University Center City
- **HS** -- Health Sciences (including Podiatry)
- **J** -- Temple University Japan
- **M** -- Main
- **P** -- Harrisburg, PA
- **SJU** -- St. Joseph's University
- **TY** -- Tyler School of Art
- **UPenn** -- University of Pennsylvania
- **W** -- Fort Washington through Ambler Campus

*R.O.T.C. only*

### Key for Schools and Colleges

- **AM** -- Ambler College
- **FSBM** -- Fox School of Business & Management
- **CE** -- College of Engineering
- **CT** -- School of Communications & Theater
- **DENT** -- Maurice H. Kornberg School of Dentistry
- **ED** -- College of Education
- **HP** -- College of Health Professions
- **LA** -- College of Liberal Arts
- **LAW** -- School of Law
- **MED** -- School of Medicine
- **MU** -- Esther Boyer College of Music & Dance
- **PM** -- School of Podiatric Medicine
- **PHARM** -- School of Pharmacy
- **SA** -- School of Social Administration
- **ST** -- College of Science & Technology
- **STHM** -- School of Tourism & Hospitality Management
- **TY** -- Tyler School of Art
- **US** -- University Studies

### Degree Symbols and Classifications

- **A.A.** -- Associate in Arts
- **A.S.** -- Associate in Science
- **B.A.** -- Bachelor of Arts
- **B.A./M.A.** -- Five-year Bachelor's & Master's Program
- **B.Ar.** -- Bachelor of Architecture
- **B.B.A.** -- Bachelor of Business Administration
- **B.F.A.** -- Bachelor of Fine Arts
- **B.F.A. w/TC** -- Bachelor of Fine Arts with Teaching Certification
- **B.M.** -- Bachelor of Music
- **B.S.** -- Bachelor of Science
- **B.S.Ar.** -- Bachelor of Science in Architecture
- **B.S.C.E.** -- Bachelor of Science in Civil Engineering
- **B.S.Ed** -- Bachelor of Science in Education
- **B.S.E.E.** -- Bachelor of Science in Electrical Engineering
- **B.S.E.T.** -- Bachelor of Science in Engineering Technology
- **B.S.M.E.** -- Bachelor of Science in Mechanical Engineering
- **B.S.N.** -- Bachelor of Science in Nursing
- **B.S.W.** -- Bachelor of Social Work
- **M.A.** -- Master of Arts
- **M.B.A.** -- Master of Business Administration
- **M.B.A./M.A.** -- Combined Degree
- **M.B.A./M.S.** -- Combined Degree
- **Ed.M.** -- Master of Education
- **M.F.A.** -- Master of Fine Arts
- **M.J.** -- Master of Journalism
- **M.L.A.** -- Master of Liberal Arts
- **M.M.** -- Master of Music
- **M.M.Ed.** -- Master of Music Education
- **M.M.T.** -- Master of Music Therapy
- **M.O.T.** -- Master of Occupational Therapy
- **M.P.H.** -- Master of Public Health
- **M.P.T.** -- Master of Physical Therapy
- **M.S.** -- Master of Science
- **M.S.E.** -- Master of Science in Engineering
- **M.S.Ed.** -- Master of Science in Education
- **M.S.N.** -- Master of Science in Nursing
- **M.S.W.** -- Master of Social Work
- **M.T.H.M.** -- Master of Tourism & Hospitality Management
- **D.D.S.** -- Doctor of Dental Surgery
- **D.M.D.** -- Doctor of Dental Medicine
- **D.M.A.** -- Doctor of Musical Arts
- **D.O.T.** -- Doctor of Occupational Therapy
- **D.P.M.** -- Doctor of Podiatric Medicine
- **D.P.T.** -- Doctor of Physical Therapy
- **Ed.D.** -- Doctor of Education
- **J.D.** -- Juris Doctor (first professional degree for law)
- **M.D.** -- Doctor of Medicine
- **Ph.D.** -- Doctor of Philosophy
- **Pharm.D.** -- Doctor of Pharmacy
- **L.L.M.** -- Master of Laws (further specialization after JD degree)
- **S.J.D.** -- Doctor of Juridical Science
<table>
<thead>
<tr>
<th>Program Name</th>
<th>Baccalaureate</th>
<th>Minor, Conc., Cert., Track</th>
<th>Post-Baccalaureate</th>
<th>Post-Baccalaureate Minor, Conc., Cert.</th>
<th>College</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>B.B.A.</td>
<td>Minor</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
</tr>
<tr>
<td>Accounting &amp; Financial Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>B.B.A.</td>
<td>M.S.</td>
<td>Post-M.B.A. Cert.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult &amp; Organizational Development</td>
<td></td>
<td>Ed.M.</td>
<td>Post-M.B.A. Cert.</td>
<td></td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>Advertising</td>
<td>B.A.</td>
<td></td>
<td></td>
<td></td>
<td>CT</td>
<td>M</td>
</tr>
<tr>
<td>-- Creative Copywriting</td>
<td></td>
<td>Conc.</td>
<td></td>
<td></td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>-- Account Management</td>
<td></td>
<td>Conc.</td>
<td></td>
<td></td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>-- Creative Art Direction</td>
<td></td>
<td>Conc.</td>
<td></td>
<td></td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>-- Research</td>
<td></td>
<td>Conc.</td>
<td></td>
<td></td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>B.A.</td>
<td>Minor</td>
<td>M.A., Ph.D.</td>
<td></td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>American/International Law</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LAW</td>
<td>M</td>
</tr>
<tr>
<td>American/International Law - China</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LAW</td>
<td>M</td>
</tr>
<tr>
<td>American Studies</td>
<td>B.A.</td>
<td>Minor</td>
<td></td>
<td></td>
<td>LA</td>
<td>M, J</td>
</tr>
<tr>
<td>-- Asian American Studies</td>
<td></td>
<td>Minor</td>
<td></td>
<td></td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Anatomy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MED</td>
<td>HS</td>
</tr>
<tr>
<td>Anthropology</td>
<td>B.A.</td>
<td>Minor</td>
<td>M.A., Ph.D.</td>
<td></td>
<td>LA</td>
<td>M, A</td>
</tr>
<tr>
<td>-- Human Biology</td>
<td></td>
<td>Track</td>
<td></td>
<td></td>
<td>LA</td>
<td>A</td>
</tr>
<tr>
<td>-- Urban Studies</td>
<td></td>
<td></td>
<td>Ph.D. Conc.</td>
<td></td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>-- Visual Anthropology</td>
<td></td>
<td>Track, Minor</td>
<td></td>
<td></td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Applied Communications</td>
<td>B.A.</td>
<td></td>
<td>M.A.</td>
<td></td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>Arabic</td>
<td></td>
<td>Cert.</td>
<td></td>
<td></td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Architecture</td>
<td>B.Ar., B.S.Ar.</td>
<td></td>
<td></td>
<td></td>
<td>TY</td>
<td>M</td>
</tr>
<tr>
<td>Art</td>
<td>B.A.</td>
<td>Minor</td>
<td></td>
<td></td>
<td>TY</td>
<td>M</td>
</tr>
<tr>
<td>-- Digital Media</td>
<td></td>
<td>Conc., Minor</td>
<td></td>
<td></td>
<td>TY</td>
<td>J</td>
</tr>
<tr>
<td>-- Studio Art</td>
<td>B.A.</td>
<td>Conc., Minor</td>
<td></td>
<td></td>
<td>TY</td>
<td>J</td>
</tr>
<tr>
<td>-- Visual Studies</td>
<td></td>
<td>Conc.</td>
<td></td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>-- Ceramics/Glass Design</td>
<td>B.F.A.</td>
<td>w/TC</td>
<td>M.F.A.</td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>-- Fibers/Fabric Design</td>
<td>B.F.A.</td>
<td>w/TC</td>
<td>M.F.A.</td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>-- Graphic &amp; Interactive Design</td>
<td>B.F.A.</td>
<td>w/TC</td>
<td>M.F.A.</td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>-- Jewelry/Metals/CAD-CAM</td>
<td>B.F.A.</td>
<td>w/TC</td>
<td>M.F.A.</td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>-- Painting/Photography</td>
<td>B.F.A.</td>
<td>w/TC</td>
<td>M.F.A.</td>
<td></td>
<td>TY</td>
<td>TY</td>
</tr>
<tr>
<td>© 2007, Temple University. All rights reserved. 152</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Discipline</td>
<td>Degree(s)</td>
<td>Minor(s)</td>
<td>Concentration(s)</td>
<td>School(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------</td>
<td>----------</td>
<td>------------------</td>
<td>-----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printmaking</td>
<td>B.F.A. w/TC</td>
<td>M.F.A.</td>
<td>TY TY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sculpture</td>
<td>B.F.A. w/TC</td>
<td>M.F.A.</td>
<td>TY TY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>B.A. M.A., Ph.D.</td>
<td>TY</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian Studies</td>
<td>B.A. Minor</td>
<td>LA</td>
<td>M, J</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian Business &amp; Society</td>
<td>B.A. Cert.</td>
<td>Cert.</td>
<td>FSBM/LA</td>
<td>M, J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>B.A., B.S.</td>
<td>ST</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>M.S., Ph.D.</td>
<td>MED HS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bioengineering</td>
<td>M.S.</td>
<td>CE M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>B.A., B.S. M.S., Ph.D.</td>
<td>ST</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neuroscience</td>
<td>B.A. Conc. M.S., Ph.D.</td>
<td>ST</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedical Neuroscience</td>
<td>M.S., Ph.D.</td>
<td>MED HS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biophysics</td>
<td>B.S.</td>
<td>ST</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Broadcasting, Telecommunications &amp; Mass Media</td>
<td>B.A. M.A.</td>
<td>CT</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td>Minor M.B.A., Ph.D.</td>
<td>FSBM</td>
<td>M, CC, W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>M.B.A. Conc., Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Management/Corporate</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Management/Investment</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthcare Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Resource Administration</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Technology Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Business Administration</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Business Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk, Insurance &amp; Healthcare</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk Management</td>
<td>M.B.A. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic Management</td>
<td>M.B.A. Conc., Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tourism</td>
<td>Ph.D. Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Law</td>
<td>J.D. Cert.</td>
<td>FSBM, LAW</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>Degree</td>
<td>Option</td>
<td>Certificate</td>
<td>College</td>
<td>Code</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>---------------------------------</td>
<td>---------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Business Management</td>
<td>B.B.A.</td>
<td>Minor</td>
<td>Post-M.B.A. Cert.</td>
<td>FSBM</td>
<td>M, A, CC</td>
<td></td>
</tr>
<tr>
<td>-- Business</td>
<td>Minor</td>
<td></td>
<td></td>
<td>FSBM</td>
<td>M, A</td>
<td></td>
</tr>
<tr>
<td>-- Business Basics</td>
<td>Cert.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>-- Business Plus</td>
<td>Cert.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>-- Economics</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Employee Benefits</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Finance</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- General Business Studies</td>
<td>Minor</td>
<td></td>
<td></td>
<td>FSBM</td>
<td>M, A</td>
<td></td>
</tr>
<tr>
<td>-- Healthcare Management</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Legal Studies</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Marketing</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Property Liability</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Real Estate</td>
<td>Conc.</td>
<td></td>
<td></td>
<td>FSBM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career &amp; Technical Education</td>
<td>B.S.Ed.</td>
<td>Cert.</td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Business Education</td>
<td>Conc.</td>
<td>Cert.</td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Cooperative Education</td>
<td>Cert.</td>
<td></td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Industrial Education</td>
<td>Conc.</td>
<td>Cert.</td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Marketing Education</td>
<td>Conc.</td>
<td>Cert.</td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Cell Biology</td>
<td>M.S.</td>
<td></td>
<td></td>
<td>MED</td>
<td>HS</td>
<td></td>
</tr>
<tr>
<td>-- Business</td>
<td>M.S. Cert</td>
<td></td>
<td></td>
<td>MED</td>
<td>HS</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>B.A., B.S., B.A./M.A. (5yr.)</td>
<td>M.A., Ph.D.</td>
<td></td>
<td>ST</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>Cert.</td>
<td></td>
<td></td>
<td>LA</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Civil &amp; Construction Engineering Technology</td>
<td>B.S.E.T.</td>
<td></td>
<td></td>
<td>CE</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>B.S.C.E.</td>
<td></td>
<td>M.S.E.</td>
<td>CE</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Environmental Engineering</td>
<td>Conc., Minor</td>
<td></td>
<td></td>
<td>CE</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td>B.A.</td>
<td></td>
<td></td>
<td>CT</td>
<td>M, A, J</td>
<td></td>
</tr>
<tr>
<td>Communication Management</td>
<td>M.S.</td>
<td></td>
<td></td>
<td>CT</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Media Management, Government &amp; Social Policy</td>
<td></td>
<td></td>
<td>M.S. Conc.</td>
<td>CT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Strategic &amp; Corporate Communication Management</td>
<td></td>
<td></td>
<td>M.S. Conc.</td>
<td>CT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication Sciences</td>
<td>B.A.</td>
<td>Minor</td>
<td>Ph.D.</td>
<td>HP</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Speech/Language/Hearing</td>
<td>Track</td>
<td></td>
<td></td>
<td>HP</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Linguistics</td>
<td>Track</td>
<td></td>
<td></td>
<td>HP</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Community Health Education</td>
<td>M.P.H.</td>
<td></td>
<td></td>
<td>HP</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>B.S.</td>
<td></td>
<td>M.S.</td>
<td>AM</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>B.A., B.S.</td>
<td>Minor</td>
<td>M.S., Ph.D.</td>
<td>ST</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

Computer and Information Sciences, Fox School of Business & Management, see Management Information Systems

Counseling Psychology                          | Ph.D., Ed.M. |              |                                 | ED      | M    |
<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
<th>Minor</th>
<th>Degree(s)</th>
<th>College</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice Executive Program</td>
<td>B.A.</td>
<td></td>
<td>M.A.</td>
<td>LA</td>
<td></td>
</tr>
<tr>
<td>Curriculum, Instruction, &amp; Technology in Education (CITE)</td>
<td></td>
<td></td>
<td>Ed.D., M.S.Ed.</td>
<td>ED</td>
<td>M, A</td>
</tr>
<tr>
<td>-- Applied Behavioral Analysis</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Career &amp; Technical Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Early Childhood Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M, BC</td>
</tr>
<tr>
<td>-- Elementary Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M, BC</td>
</tr>
<tr>
<td>-- English Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M, BC</td>
</tr>
<tr>
<td>-- Language Arts</td>
<td></td>
<td></td>
<td>Ed.D. Conc.</td>
<td>ED</td>
<td>M, TUJ</td>
</tr>
<tr>
<td>-- Mathematics Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Mathematics &amp; Science Education</td>
<td></td>
<td></td>
<td>Ed.D. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Reading</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Second &amp; Foreign Language Education</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Special Education (Inclusive School Practices)</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>-- Teaching English as a Second Language</td>
<td></td>
<td></td>
<td>M.S.Ed. Conc.</td>
<td>ED</td>
<td>M</td>
</tr>
<tr>
<td>Dentistry</td>
<td></td>
<td></td>
<td>D.M.D.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Endodontics</td>
<td></td>
<td></td>
<td>Cert.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Oral Biology</td>
<td></td>
<td></td>
<td>M.S.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Orthodontics</td>
<td></td>
<td></td>
<td>Cert.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Periodontics</td>
<td></td>
<td></td>
<td>Cert.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Advanced Education in General Dentistry</td>
<td></td>
<td></td>
<td>Cert.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Advanced DMD Program for Faculty</td>
<td></td>
<td></td>
<td>D.M.D.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>-- Advanced Standing Program</td>
<td></td>
<td></td>
<td>D.M.D.</td>
<td>DENT</td>
<td>HS</td>
</tr>
<tr>
<td>Disability Studies</td>
<td></td>
<td>Grad Cert.</td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>B.B.A.</td>
<td></td>
<td>M.A., Ph.D.</td>
<td>FSBM</td>
<td>M, A, CC</td>
</tr>
<tr>
<td>Economics</td>
<td>B.A.</td>
<td>Minor</td>
<td></td>
<td>LA</td>
<td>M, A, CC, J</td>
</tr>
<tr>
<td>-- Management Career</td>
<td>Cert.</td>
<td></td>
<td>LA</td>
<td>M, A</td>
<td></td>
</tr>
<tr>
<td>-- Political Economy</td>
<td>Cert.</td>
<td></td>
<td>LA</td>
<td>M, A, J</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>Ed.M., Ph.D.</td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology/Learning Technologies</td>
<td>Ed.M.</td>
<td></td>
<td>ED</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>B.S.E.E.</td>
<td></td>
<td>M.S.E.</td>
<td>Cert.</td>
<td>CE M</td>
</tr>
<tr>
<td>-- Bioengineering</td>
<td>Conc.</td>
<td></td>
<td>CE</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>-- Computer Engineering</td>
<td>Conc.</td>
<td></td>
<td>Cert.</td>
<td>CE M</td>
<td></td>
</tr>
<tr>
<td>Degree Area</td>
<td>Degree Type</td>
<td>Concentration</td>
<td>Letters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------</td>
<td>---------------</td>
<td>---------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Data Communication</td>
<td>Cert.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital VLSI Design</td>
<td>Cert.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signal Processing</td>
<td>Cert.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems Engineering</td>
<td>Cert.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Education</td>
<td>B.S.Ed.</td>
<td></td>
<td>ED M, A, BC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Conc.</td>
<td></td>
<td>ED M, A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Middle School Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>Conc.</td>
<td></td>
<td>ED M, A, BC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>Ph.D.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>B.S.E.T.</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical/Manufacturing Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechatronics Technology</td>
<td>Track</td>
<td></td>
<td>CE M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>B.A. Minor</td>
<td>M.A., Ph.D.</td>
<td>LA M, A, CC, J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creative Writing</td>
<td>M.A.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Writing</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>B.B.A. Minor</td>
<td></td>
<td>FSBM M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Health</td>
<td>M.S.</td>
<td></td>
<td>HP M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>B.A., B.S. Minor</td>
<td></td>
<td>LA/ST M, A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>M.S.</td>
<td></td>
<td>HP M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive MBA Program</td>
<td>M.B.A.</td>
<td></td>
<td>FSBM M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film &amp; Media Arts</td>
<td>B.A. M.F.A.</td>
<td></td>
<td>CT M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>B.B.A. M.S.</td>
<td>Post-M.B.A. Cert.</td>
<td>FSBM M, W, CC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Engineering</td>
<td>M.S.</td>
<td></td>
<td>FSBM M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>B.A. Minor, Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Studies Program</td>
<td>A.A., B.A.</td>
<td></td>
<td>LA J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General &amp; Strategic Management</td>
<td>Post-M.B.A. Cert.</td>
<td></td>
<td>FSBM M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>M.A.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography &amp; Urban Studies</td>
<td>B.A. Minor</td>
<td></td>
<td>LA M, J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography of Tourism</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography of Sports, Recreation, &amp; Tourism Planning</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel &amp; Tourism</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>B.A., B.S. M.S.</td>
<td></td>
<td>ST M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>B.A. Minor, Cert.</td>
<td></td>
<td>LA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gerontology</td>
<td>Cert.</td>
<td></td>
<td>SA M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate Program</td>
<td>Degree</td>
<td>Department</td>
<td>Notes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Tax</td>
<td>L.L.M.</td>
<td>LAW</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greek &amp; Roman Classics</td>
<td>B.A.</td>
<td>LA</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Ancient Mediterranean Studies</td>
<td>Minor</td>
<td>LA</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthcare Financial Management</td>
<td>M.S.</td>
<td>FSBM</td>
<td>CC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthcare Management</td>
<td>Post-M.B.A. Cert.</td>
<td>FSBM</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Information Management</td>
<td>B.S.</td>
<td>HP</td>
<td>HS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Studies</td>
<td>Ph.D.</td>
<td>HP</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Public Health</td>
<td>Conc.</td>
<td>HP</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Therapeutic Recreation</td>
<td>Conc.</td>
<td>HP</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hebrew</td>
<td>B.A.</td>
<td>Minor</td>
<td>LA</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>B.A.</td>
<td>Minor</td>
<td>M.A., Ph.D.</td>
<td>LA</td>
<td>M, A, CC, J</td>
</tr>
<tr>
<td>Honors Program, Business</td>
<td>Cert.</td>
<td>FSBM</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honors Program, University</td>
<td>Cert.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture</td>
<td>A.S., B.S.</td>
<td>AM</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Business</td>
<td>Conc.</td>
<td>AM</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- General</td>
<td>Conc.</td>
<td>AM</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Horticultural Therapy</td>
<td>Cert.</td>
<td>AM</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Landscape Plants</td>
<td>Cert.</td>
<td>AM</td>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- People First</td>
<td>Cert.</td>
<td>FSBM</td>
<td>M, A, CC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Science &amp; Technology</td>
<td>B.A., B.S.</td>
<td>Minor</td>
<td>ST</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Information Technology Management</td>
<td>M.B.A./M.S.</td>
<td>FSBM</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>B.A.</td>
<td>LA</td>
<td>M, A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Affairs</td>
<td>B.A.</td>
<td>LA</td>
<td>J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Business Administration - Tri Country</td>
<td>M.B.A.</td>
<td>FSBM</td>
<td>M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Business</td>
<td>B.B.A.</td>
<td>M.B.A./M.S.</td>
<td>FSBM</td>
<td>M, W, CC</td>
<td></td>
</tr>
<tr>
<td>-- Accounting</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Actuarial Science</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Economics</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- E-Marketing</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Entrepreneurship</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Finance</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- General &amp; Strategic Management</td>
<td>Conc.</td>
<td>FSBM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Program</th>
<th>Concentration</th>
<th>Diploma</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Management</td>
<td>Conc.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>Conc.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Marketing</td>
<td>Conc.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>Conc.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Real Estate</td>
<td>Conc.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Risk Management &amp; Insurance</td>
<td>Conc.</td>
<td>Conc.</td>
<td>FSBM</td>
</tr>
<tr>
<td>International Business Management</td>
<td>Post-M.B.A. Cert.</td>
<td></td>
<td>FSBM</td>
</tr>
<tr>
<td>Italian</td>
<td>B.A. Minor, Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Japanese</td>
<td>Minor, Cert.</td>
<td></td>
<td>LA M J</td>
</tr>
<tr>
<td>Jazz Studies / Composition</td>
<td>B.M.</td>
<td></td>
<td>MU M</td>
</tr>
<tr>
<td>Jazz Studies / Performance</td>
<td>B. M.</td>
<td></td>
<td>MU M</td>
</tr>
<tr>
<td>Instrumental</td>
<td>Conc.</td>
<td></td>
<td>MU M</td>
</tr>
<tr>
<td>Jazz Voice</td>
<td>Conc.</td>
<td></td>
<td>MU M</td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>B.A. Minor</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>History</td>
<td>Conc.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Religion</td>
<td>Conc.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Secular Jewish Studies</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Journalism</td>
<td>B.A. Minor</td>
<td>M.J.</td>
<td>CT M</td>
</tr>
<tr>
<td>Juridical Science</td>
<td>S.J.D.</td>
<td></td>
<td>LAW M</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>B.S. Ed.M., Ph.D.</td>
<td></td>
<td>HP M</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Conc.</td>
<td></td>
<td>HP</td>
</tr>
<tr>
<td>Exercise &amp; Sport Science</td>
<td>Conc.</td>
<td></td>
<td>HP</td>
</tr>
<tr>
<td>Pre-Health Professional Program</td>
<td>Conc.</td>
<td></td>
<td>HP</td>
</tr>
<tr>
<td>Teacher Education (PHETE)</td>
<td>Conc.</td>
<td></td>
<td>HP</td>
</tr>
<tr>
<td>Landscape Architecture</td>
<td>B.S.</td>
<td></td>
<td>AM A</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>B.A. Minor</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Law</td>
<td>J.D., L.L.M., S.J.D.</td>
<td></td>
<td>LAW M, J</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>B.B.A. J.D./M.B.A. (Dual)</td>
<td></td>
<td>FSBM/LAW M, CC</td>
</tr>
<tr>
<td>Law - Trial Advocacy</td>
<td>L.L.M.</td>
<td></td>
<td>LAW M</td>
</tr>
<tr>
<td>Lesbian, Gay, Bisexual &amp; Transgender Studies</td>
<td>Minor</td>
<td></td>
<td>LA M, CC</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>M.L.A.</td>
<td></td>
<td>LA M J</td>
</tr>
<tr>
<td>Linguistics</td>
<td>B.A. M.A.</td>
<td></td>
<td>LA M J</td>
</tr>
<tr>
<td>Management Information System</td>
<td>B.B.A. Minor, Cert.</td>
<td>M.S. Ph.D. Conc., Post-M.B.A. Cert.</td>
<td>FSBM M, CC</td>
</tr>
<tr>
<td>Marketing</td>
<td>B.B.A. M.S. Post-M.B.A. Cert.</td>
<td></td>
<td>FSBM M, A, W, CC</td>
</tr>
<tr>
<td>Mass Media &amp; Communication</td>
<td>Ph.D.</td>
<td></td>
<td>CT M</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td>B.A.</td>
<td></td>
<td>LA/ST M</td>
</tr>
<tr>
<td>Program</td>
<td>Degree(s)</td>
<td>Minor</td>
<td>Degree(s)</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------</td>
<td>-----------------------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>Mathematics</td>
<td>B.A., B.S.</td>
<td>Minor</td>
<td>M.A., Ph.D., B.A./M.A.</td>
</tr>
<tr>
<td>-- 5 year M.A.</td>
<td>B.A./M.A., B.S./M.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics &amp; Physics</td>
<td>B.S.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>B.S.M.E.</td>
<td>M.S.E.</td>
<td></td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D., Ph.D./M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiology &amp; Immunology</td>
<td>M.S., Ph.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Army ROTC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Air Force ROTC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Navy ROTC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Biology/Genetics</td>
<td>Ph.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music, Non-Performing</td>
<td>B.S.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Composition</td>
<td>B.M.</td>
<td>M.M., D.M.A.</td>
<td></td>
</tr>
<tr>
<td>Music Education</td>
<td>B.M.</td>
<td>M.M., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>-- Instrumental</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Instrumental/ Jazz Studies Component</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Instrumental/ Music Technology Component</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Piano</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Piano/Jazz Studies Component</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Voice</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Voice/Jazz Studies Component</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music History</td>
<td>B.M.</td>
<td>M.M.</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz Studies</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz Composition</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz Voice Performance</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Performance</td>
<td>B.M.</td>
<td>M.M., D.M.A.</td>
<td></td>
</tr>
<tr>
<td>-- Keyboard/Harpsichord</td>
<td>B.M.</td>
<td>M.M.</td>
<td></td>
</tr>
<tr>
<td>-- Keyboard/Piano</td>
<td>B.M.</td>
<td>M.M./D.M.A.</td>
<td></td>
</tr>
<tr>
<td>-- Piano Pedagogy</td>
<td>B.M.</td>
<td>M.M.</td>
<td></td>
</tr>
<tr>
<td>-- Vocal Instruction</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Theory</td>
<td>B.M.</td>
<td>M.M.</td>
<td></td>
</tr>
<tr>
<td>Music Therapy</td>
<td>B.M.</td>
<td>M.M.T., Ph.D.</td>
<td></td>
</tr>
<tr>
<td>-- Guitar</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz, Guitar</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz, Piano</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Jazz, Voice</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Piano</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Voice</td>
<td>Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>B.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Media Interdisciplinary Concentration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>B.S.N.</td>
<td>M.S.N.</td>
<td></td>
</tr>
<tr>
<td>R.N. to B.S.N</td>
<td>B.S.N.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>Degree(s)</td>
<td>School(s)</td>
<td>BC</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------</td>
<td>-----------</td>
<td>----</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>M.O.T., M.S., D.O.T.</td>
<td>HP</td>
<td>HS</td>
</tr>
<tr>
<td>Opera</td>
<td>M.M.</td>
<td>MU</td>
<td>M</td>
</tr>
<tr>
<td>Pathology</td>
<td>Ph.D.</td>
<td>MED</td>
<td>HS</td>
</tr>
<tr>
<td>Pharmaceutical Quality Assurance / Regulatory Affairs</td>
<td>M.S.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Advanced QA &amp; RA (post-M.S.)</td>
<td>Cert.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Basic Pharmaceutical Development (for MBAs)</td>
<td>Cert.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Clinical Trial Management</td>
<td>Cert.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Drug Development</td>
<td>Cert.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Medical Device</td>
<td>Cert.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>Pharmaceutical Sciences</td>
<td>M.S., Ph.D.</td>
<td>PHARM</td>
<td>HS</td>
</tr>
<tr>
<td>-- Medicinal Chemistry</td>
<td>M.S. Conc., Ph.D. Conc.</td>
<td>PHARM</td>
<td>HS</td>
</tr>
<tr>
<td>-- Pharmaceutics</td>
<td>M.S. Conc., Ph.D. Conc.</td>
<td>PHARM</td>
<td>W</td>
</tr>
<tr>
<td>-- Pharmacodynamics</td>
<td>M.S. Conc.</td>
<td>PHARM</td>
<td></td>
</tr>
<tr>
<td>Pharmacology</td>
<td>M.S., Ph.D.</td>
<td>MED</td>
<td>HS</td>
</tr>
<tr>
<td>Pharmacology/Neuroscience</td>
<td>Ph.D.</td>
<td>MED</td>
<td>HS</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>Pharm.D.</td>
<td>PHARM</td>
<td>HS</td>
</tr>
<tr>
<td>Philosophy</td>
<td>B.A., Minor</td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>D.P.T., Ph.D., M.S.</td>
<td>HP</td>
<td>HS</td>
</tr>
<tr>
<td>Physical Therapy/Neuroscience</td>
<td>Ph.D.</td>
<td>HP</td>
<td>HS</td>
</tr>
<tr>
<td>Physics</td>
<td>B.A., B.S., B.A./M.A., Minor</td>
<td>ST</td>
<td>M</td>
</tr>
<tr>
<td>Physiology</td>
<td>M.S., Ph.D.</td>
<td>MED</td>
<td>HS</td>
</tr>
<tr>
<td>Podiatric Medicine</td>
<td>D.P.M.</td>
<td>PM</td>
<td>HS</td>
</tr>
<tr>
<td>-- Podiatric Medicine and Surgery</td>
<td>Cert.</td>
<td>PM</td>
<td>HS</td>
</tr>
<tr>
<td>Political Science</td>
<td>B.A., Minor</td>
<td>LA</td>
<td>M, A</td>
</tr>
<tr>
<td>-- Political Economy</td>
<td>Cert.</td>
<td>LA</td>
<td>M, A</td>
</tr>
<tr>
<td>-- Urban Studies</td>
<td>Ph.D. Conc.</td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Portuguese</td>
<td>Minor</td>
<td>LA</td>
<td>M</td>
</tr>
<tr>
<td>Pre-Dentistry</td>
<td>special advising</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td>Pre-Health Professions</td>
<td>special advising</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td>Pre-Law</td>
<td>special advising</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td>Pre-Medicine</td>
<td>special advising</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td>Pre-Pharmacy</td>
<td>special advising</td>
<td>ST</td>
<td></td>
</tr>
<tr>
<td>Pre-Podiatry</td>
<td>special advising</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>B.A.</td>
<td>LA</td>
<td>M, A</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Degree/Track/Concentration</th>
<th>Degree/Concentration</th>
<th>Minor/Track/Concentration</th>
<th>Department/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>-- Cognitive Neuroscience</td>
<td>Minor</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Psychology/Neuroscience</td>
<td>Ph.D.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Psychological Studies</td>
<td>B.A. Minor</td>
<td></td>
<td>LA J</td>
</tr>
<tr>
<td>Public Health</td>
<td>B.S. Minor</td>
<td></td>
<td>HP M</td>
</tr>
<tr>
<td>Quality Assurance &amp; Regulatory Affairs</td>
<td>M.S. Minor</td>
<td></td>
<td>PHARM W</td>
</tr>
<tr>
<td>Radio/Television/Film (see Film &amp; Media Arts and Broadcasting, Telecommunications &amp; Mass Media)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate</td>
<td>B.B.A.</td>
<td></td>
<td>FSBM M, A</td>
</tr>
<tr>
<td>Religion</td>
<td>B.A. Minor</td>
<td>M.A., Ph.D.</td>
<td>LA M, J</td>
</tr>
<tr>
<td>Risk, Insurance &amp; Healthcare Management</td>
<td>Ph.D. Conc.</td>
<td></td>
<td>FSBM M</td>
</tr>
<tr>
<td>Risk Management</td>
<td>Post-M.B.A. Cert.</td>
<td></td>
<td>FSBM M</td>
</tr>
<tr>
<td>Risk Management &amp; Insurance</td>
<td>B.B.A.</td>
<td></td>
<td>FSBM M, CC</td>
</tr>
<tr>
<td>-- Employee Benefits</td>
<td>Track, Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Healthcare Risk Management</td>
<td>Track, Conc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Property-Liability/Corporate Risk Management</td>
<td>Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russian (Germanic &amp; Slavic Languages)</td>
<td>B.A. Minor, Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>School Health Education</td>
<td>Ed.M.</td>
<td></td>
<td>HP M</td>
</tr>
<tr>
<td>School Psychology</td>
<td>Ed.M., Ph.D.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>Secondary Education</td>
<td>B.S.Ed.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>-- English Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>-- Foreign Language Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- French</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- German</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Hebrew</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Italian</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Latin</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Portuguese</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Spanish</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>-- Mathematics Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>-- Science Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Biology</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Chemistry</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Earth &amp; Space</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- General Science</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Physics</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>-- Social Studies Education</td>
<td>Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Citizenship Education</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>---- Social Science Education</td>
<td>Cert.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>Social Work</td>
<td>B.S.W.</td>
<td>M.S.W.</td>
<td>SA M, A, P</td>
</tr>
<tr>
<td>Program</td>
<td>Degree</td>
<td>Concentration</td>
<td>Department</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------</td>
<td>---------------</td>
<td>------------</td>
</tr>
<tr>
<td>-- Child &amp; Family Services</td>
<td>Cert.</td>
<td></td>
<td>SA</td>
</tr>
<tr>
<td>Sociology</td>
<td>B.A.</td>
<td>Minor</td>
<td>M.A., Ph.D.</td>
</tr>
<tr>
<td>-- Health Research</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>-- Health Track</td>
<td>Track</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>-- Urban Studies</td>
<td></td>
<td>Ph.D. Conc.</td>
<td>LA M</td>
</tr>
<tr>
<td>Spanish</td>
<td>B.A.</td>
<td>Minor</td>
<td>M.A., Ph.D.</td>
</tr>
<tr>
<td>-- Latin American Studies Semester</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>-- Multilingual Business &amp; Government Studies</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>-- Spanish &amp; Latin American Studies for Business</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>-- Spanish &amp; Latino Studies for Health &amp; Human Services Professions</td>
<td>Cert.</td>
<td></td>
<td>LA M</td>
</tr>
<tr>
<td>Special Education (see Elementary Ed/Special Ed)</td>
<td>Conc.</td>
<td>Ed.M. Conc.</td>
<td>ED M, A</td>
</tr>
<tr>
<td>Speech, Language, Hearing</td>
<td>B.S.</td>
<td>M.A.</td>
<td>HP M</td>
</tr>
<tr>
<td>Sport &amp; Recreation Administration</td>
<td></td>
<td>Ed.M.</td>
<td>STHM M</td>
</tr>
<tr>
<td>Sport &amp; Recreation Management</td>
<td>B.S.</td>
<td></td>
<td>STHM M</td>
</tr>
<tr>
<td>-- Leisure Management</td>
<td>Track</td>
<td></td>
<td>STHM M</td>
</tr>
<tr>
<td>-- Sport Management</td>
<td>Track</td>
<td></td>
<td>STHM M</td>
</tr>
<tr>
<td>-- E-Tourism</td>
<td>Cert.</td>
<td></td>
<td>STHM M</td>
</tr>
<tr>
<td>-- Geography of Sports, Recreation &amp; Tourism Planning</td>
<td>Cert.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-- Geography of Tourism</td>
<td>Cert.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>M.S., Ph.D.</td>
<td></td>
<td>FSBM M</td>
</tr>
<tr>
<td>Strategic &amp; Organizational Communication</td>
<td>B.A.</td>
<td></td>
<td>CT M</td>
</tr>
<tr>
<td>-- Public Communication</td>
<td>Conc.</td>
<td></td>
<td>CT M</td>
</tr>
<tr>
<td>-- Organizational Leadership</td>
<td>Conc.</td>
<td></td>
<td>CT M</td>
</tr>
<tr>
<td>-- Public Relations</td>
<td>Conc.</td>
<td></td>
<td>CT M</td>
</tr>
<tr>
<td>Strategic Management</td>
<td>Ph.D. Conc.</td>
<td></td>
<td>FSBM M</td>
</tr>
<tr>
<td>Taxation</td>
<td>L.L.M., J.D./L.L.M.</td>
<td></td>
<td>LAW M</td>
</tr>
<tr>
<td>TESOL (see Curriculum, Instruction &amp; Technology in Education)</td>
<td>M.S.Ed. Conc.</td>
<td></td>
<td>ED M</td>
</tr>
<tr>
<td>Theater</td>
<td>B.A.</td>
<td>Minor</td>
<td>CT M</td>
</tr>
<tr>
<td>-- Acting</td>
<td>Track</td>
<td>M.F.A.</td>
<td>CT M</td>
</tr>
<tr>
<td>-- Design</td>
<td>Track</td>
<td>M.F.A.</td>
<td>CT M</td>
</tr>
<tr>
<td>-- Directing</td>
<td>Track</td>
<td>M.F.A.</td>
<td>CT M</td>
</tr>
<tr>
<td>-- Playwriting</td>
<td>Track</td>
<td>M.F.A.</td>
<td>CT M</td>
</tr>
</tbody>
</table>
Therapeutic Recreation | B.S. | Ed.M. | HP | M
---|---|---|---|---
Tourism | | | Ph.D. Conc. | FSBM | M
Tourism & Hospitality Management | B.S. | M.T.H.M. | | STHM | M, CC
- Destination & Event Management | Track | | STHM | M
- Hospitality Management | Track | | STHM | M
- E-Tourism | Cert. | | STHM | M
- Geography of Sports, Recreation & Tourism Planning | Cert. | | STHM | M
- Geography of Tourism | Cert. | | LA | M
Trial Advocacy | L.L.M. | | LAW | M
Urban Education | Ed.M., Ph.D. | | ED | M
Urban Studies | M.A. | | LA | M
Vocational/Technical Education | | | | |
Women's Studies | B.A. | Minor, Cert. | | LA | M

*Cooperative Programs among Temple University, St. Joseph's University and the University of Pennsylvania

**INTERCOLLEGIAL PROGRAMS**

**Goals and Objectives**

Intercollegial programs at Temple include a national honor society and a growing number of interdisciplinary academic programs that involve students and departments in more than one of the University's schools and colleges. These programs provide students with opportunities to cross the boundaries of traditional academic disciplines, combine a variety of perspectives, and take advantage of faculty expertise in different departments and colleges. They are designed to accommodate students' interests and prepare students for success in a variety of career fields. The schools and colleges collaborating in these societies and programs are indicated in each description. Each college's degree requirements are described in the college sections of this *Bulletin*. Students should consult the contact person for an intercollegial society or program for more information about both collegial policies and requirements, and the society or program itself.

**Special Programs**

**Phi Beta Kappa**

Phi Beta Kappa is an honor society open to juniors and seniors in the College of Liberal Arts, the College of Science and Technology, and the Department of Art History. To qualify for Phi Beta Kappa, a student must maintain a high grade point average in a broad, rigorous program of study in the liberal arts, including mathematics and foreign language. For a complete and detailed description of Phi Beta Kappa's requirements, visit [www.temple.edu/pbk](http://www.temple.edu/pbk).

For more information, please contact Stephanie Gillin, Associate Vice Provost and Chapter Secretary, in the Office of the Provost at Temple University, via e-mail at sgillin@temple.edu.

**Environmental Studies**

Dr. Robert Mason, Director
Gladfelter Hall, Room 330
215-204-5918
envtstud@temple.edu
www.temple.edu/env-stud

© 2007, Temple University. All rights reserved.
Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens’ organizations, consulting firms, and corporate environmental affairs departments.

Offered jointly by the College of Liberal Arts and College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A minor also is offered.

### B.A. Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Geology</td>
<td>1001</td>
<td>Introduction to Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles or Honors Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1901</td>
<td>Microeconomic Principles or Honors Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN ST/GUS</td>
<td>1051</td>
<td>Environment &amp; Society or Honors Environment &amp; Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I or Honors General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1901</td>
<td>General Biology II or Honors General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Geology</td>
<td>1015</td>
<td>Environmental Resources or Environmental Resources</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>EVRN ST/GUS</td>
<td>1052</td>
<td>Introduction to the Physical Environment</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1013</td>
<td>Elements of Statistics or Statistical Methods &amp; Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Energy, Ecology &amp; Economy</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>4198</td>
<td>Senior Research Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Elective Courses**

In addition to the required courses and their prerequisites, B.A. majors must take five (5) courses from the list of approved electives. One of these courses must be a policy course and one must be from the natural sciences.

### B.S. Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>1001</td>
<td>Introduction to Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031/1033</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1951/1953</td>
<td>Honors General Chemistry I with Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
<td>---------------------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1032/1034</td>
<td>General Chemistry II with Lab</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952/1954</td>
<td>Honors General Chemistry II with Lab</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2201/2203</td>
<td>Organic Chemistry I with Lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2921/2923</td>
<td>Organic Chemistry for Honors I with Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1902</td>
<td>Honors Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Calculus</strong> Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EVRN ST/GUS</td>
<td>1051 or 1951</td>
<td>Environment &amp; Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Biology</td>
<td>1111</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1911</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>2112</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>2227</td>
<td>Principles of Ecology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>3021</td>
<td>Introduction to Hydrology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>EVRN ST</td>
<td>1052</td>
<td>Introduction to the Physical Environment</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Statistical Methods &amp; Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2031</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3596</td>
<td>Energy, Ecology, &amp; Economy</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>EVRN ST</td>
<td>4198</td>
<td>Senior Research Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Elective Courses</strong></td>
<td></td>
<td>In addition to the required courses and their prerequisites, B.S. majors must take four (4) courses from the list of approved electives. One of these courses must be a policy course and an additional one must be from the social sciences. Because Biology 2227 and Geology 3021 are required for the B.S., they cannot be double-counted as electives.</td>
<td>12-16</td>
<td></td>
</tr>
</tbody>
</table>

**Requirements for the Minor**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN ST/GUS</td>
<td>1051 or 1951</td>
<td>Environment &amp; Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>One of the following (plus any required prerequisites):</strong></td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2227</td>
<td>Principles of Ecology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>3021</td>
<td>Introduction to Hydrology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EVRN ST/GUS</td>
<td>3062</td>
<td>Fundamentals of Geographic Information Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3596</td>
<td>Energy, Ecology, &amp; Economy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy Elective</td>
<td></td>
<td>Select one policy course from the approved elective list.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Environmental Studies Electives</td>
<td></td>
<td>Select three topics courses from the approved elective list.</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>----------</td>
<td>-------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>2014</td>
<td>Planning Policy &amp; Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>3175</td>
<td>Heritage Management in Archaeology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3512</td>
<td>Public Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3513</td>
<td>Economics of State &amp; Local Governments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Engineering Technology</td>
<td>4761</td>
<td>Environmental Regulations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>3025</td>
<td>Environmental Law &amp; Regulation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/GUS</td>
<td>3051</td>
<td>Environmental Policy Issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Political Science</td>
<td>3152</td>
<td>U.S. Environmental Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Topics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>3170</td>
<td>Methods in Archaeology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>3189</td>
<td>Field Session in Archaeology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>4117</td>
<td>Seminar in Environmental Archaeology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>4775</td>
<td>Environmental Physiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/Anthropology</td>
<td>4796</td>
<td>Biocultural Adaptations in Human Populations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2227</td>
<td>Principles of Ecology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2238</td>
<td>Marine Environments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>3196</td>
<td>Experimental Marine Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>3245</td>
<td>Marine Ecology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>3316</td>
<td>Tropical Marine Biology: Coral Reef Biology in Tropical Belize</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>3336</td>
<td>Freshwater Ecology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Botany</td>
<td>1112</td>
<td>Plant Ecology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>1027</td>
<td>History &amp; Practice of Community &amp; Regional Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>2114</td>
<td>Urban Form &amp; Design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>2213</td>
<td>Environmental Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>2524</td>
<td>Fundamentals of Geographic Information Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community &amp; Regional Planning</td>
<td>3256</td>
<td>Sustainable Community Design &amp; Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>3000</td>
<td>Special Topics in Environmental Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>4082</td>
<td>Independent Study – Environmental Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>4085</td>
<td>Internship - Environmental Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EVRN ST/GUS/Asian Studies</td>
<td>3052</td>
<td>Environmental Problems in Asia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/GUS</td>
<td>2051</td>
<td>The Urban Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/GUS</td>
<td>3054</td>
<td>Energy, Resources, &amp; Conservation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Studies/GUS</td>
<td>3062</td>
<td>Fundamentals of Geographic Information Systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting and other disciplines that make an extensive use of economics need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics.
<table>
<thead>
<tr>
<th>Mathematics</th>
<th>1941</th>
<th>Honors Calculus I</th>
<th>4</th>
<th>QB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3031</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3032</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3043</td>
<td>Numerical Analysis I</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3000+</td>
<td>Three Math courses 3000+</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>C+IN SC</td>
<td>1053</td>
<td>Programming in Matlab</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>C+IN SC</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>C+IN SC</td>
<td>1068</td>
<td>Program Design &amp; Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>C+IN SC</td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>3501</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3502</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3503</td>
<td>Introduction to Econometrics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3504</td>
<td>Mathematical Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3521</td>
<td>Economics of Risk &amp; Uncertainty</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3508</td>
<td>Math for Economics I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3598</td>
<td>Economics Writing Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3000+</td>
<td>Two Economics courses 3000+, with permission of advisor</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>62</strong></td>
<td></td>
</tr>
</tbody>
</table>

1. Math 2196 must be taken prior to Math 3098 or Math 3141.
All courses must be passed with a grade of C- or better.

---

**Political Economy**

William Lynn Holmes, Department of Economics  
215-204-8175  
wholmes@sbm.temple.edu

Richard Deeg, Department of Political Science  
215-204-7123  
rdeeg@vm.temple.edu

This is a joint program offered by the Department of Economics and the Department of Political Science leading to certificate of specialization in political economy.

**Purpose**

The purpose of the Political Economy program is to provide undergraduate students with the opportunity to study more intensely the relationship between the political and economic spheres of society. The program is based on the belief that a focused examination of this relationship provides us with a better understanding of several social phenomena. Chief among these is a better understanding of public policy choices and the policy making process, as well as a better understanding of how government actions affect the process of economic change and vice versa.

For these reasons the Political Science and Economics departments offer an interdisciplinary certificate in Political Economy. The program is open to all matriculated undergraduate students. Applicants need not be declared majors in either

---

© 2007, Temple University. All rights reserved.  
168
economics or political science. The Political Economy program provides an excellent preparation for graduate study in the social sciences and for the study of law.

Program Requirements
The program consists of two components: required core courses at the lower-division level and elective courses at the upper-division level.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>1101 or 1901</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>ECON</td>
<td>1102 or 1902</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>POL SCI</td>
<td>1101 or 1911</td>
<td>The American Political System</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>POL SCI</td>
<td>1201 or 1921</td>
<td>Foreign Governments and Politics</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>POL SCI</td>
<td>1301 or 1931</td>
<td>International Politics</td>
<td>3</td>
<td>IS</td>
</tr>
</tbody>
</table>

Elective Courses
All students must successfully complete (grade of C- or better) four courses from the following list. Two of the four courses must be in economics, and two courses must be in political science. Students should select courses that correspond to their own substantive interests and are encouraged to take cognate areas (e.g., if you choose international politics courses, also choose international economics courses). Students should plan their schedules well in advance, since many courses are not offered each semester.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>3531</td>
<td>History of Economic Theory</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3547</td>
<td>Economics of Development and Growth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3511</td>
<td>The Economics and Management of Privatization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3512</td>
<td>Public Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3513</td>
<td>Economics of State and Local Governments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3563</td>
<td>International Trade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3564</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3506 (or 3596)</td>
<td>Energy, Ecology, and Economy</td>
<td>WI*</td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3507 (or 3597)</td>
<td>Health Economics</td>
<td>WI*</td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3545</td>
<td>Economics of Labor Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3546</td>
<td>Women in the Economy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3535</td>
<td>Public Control of Business: Antitrust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>3536</td>
<td>Economics of American Industry</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select two:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL SCI</td>
<td>3131 (or 3196)</td>
<td>Urban Politics and Problems</td>
<td>WR*</td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3134</td>
<td>Politics of Inequality</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>2102</td>
<td>American State and Local Politics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>2103</td>
<td>U.S. Public Policy Making</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3151</td>
<td>Public Policy Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3152</td>
<td>U.S. Environmental Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3155</td>
<td>Business and Public Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>2201</td>
<td>Comparative Politics: Developing Nations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3252</td>
<td>East Asia and the United States</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3296</td>
<td>Politics of Modern Capitalism</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>2321</td>
<td>Politics of the Global Economy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>2441</td>
<td>Democracy, Capitalism, and Socialism</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A "**" denotes that the courses in parentheses are Writing Intensive courses.
Introduction

Temple University Ambler has been connected to sustainable concepts and environmental stewardship for nearly a century. In June 2000, the Temple University Board of Trustees formally recognized Ambler College, located at the Ambler campus, as the 17th academic unit of Temple University. This designation provides Ambler College with the ability to plan and develop unique programs consistent with its mission. Ambler College is the home to the Department of Community and Regional Planning and the Department of Landscape Architecture and Horticulture, with plans for future academic programs to be added under the college umbrella.

The mission of Ambler College is the enhancement of the relationship between individuals, social patterns, and political systems and the natural, built, and cultural environments of contemporary life. Ambler College upholds the environmental traditions established by the Pennsylvania School of Horticulture for Women and carried forward by our founding Department of Landscape Architecture and Horticulture. As Temple University’s 17th college, Ambler College has a commitment to the health of communities, the preservation and appreciation of the natural and historical landscape, and the recognition of the connections between the natural and constructed worlds. (Adopted by the Faculty, Ambler College, December, 2000.) Ambler College core values are: student-centered learning, community engagement, and environmental responsibility.

The Department of Landscape Architecture and Horticulture traces its origins to the Pennsylvania School of Horticulture for Women, founded in 1911 at Ambler. Originally, the department offered only two-year Associate degree programs but in 1988 added two four-year degree programs in Landscape Architecture and Horticulture. The department's evolution has combined theory with practice, continuing the tradition of blending art and science with practical experience. Committed to excellence in ecologically-based education, the department provides students with the knowledge and understanding of sustainable environments. Through an ecological approach to planning, design, development, and care of the land, the programs in Landscape Architecture and Horticulture promote the development of skills to improve the quality of urban, suburban, and rural communities. Courses and programs are offered that utilize the 187-acre Ambler campus as both an arboretum and a living laboratory for faculty and students. Students also have the opportunity to conduct research in a state-of-the-art greenhouse.

The Department of Community and Regional Planning, building on the traditions already established in the Department of Landscape Architecture and Horticulture and the Center for Sustainable Communities (See Special Programs and Facilities below), develops skilled practitioners for the dynamic and growing field of planning in the government, non-profit, and private sectors. Students develop an understanding of the physical and economic issues of planning, sensitivity to the social and environmental impact of planning decisions, and a knowledge of governmental structures as they apply to planning. The program places students on the front lines of efforts to create and maintain sustainable communities by providing students with a broad-based understanding and awareness of multi-dimensional land-use and planning issues.

The Ambler campus (as described elsewhere in the Bulletin) continues to be a teaching site for many courses and full degree programs sponsored by other schools and colleges of the University. (See the Degree Programs Chart for a listing of the full degree programs and the Ambler Campus section for additional information on campus facilities and services.)

Accreditations

The Landscape Architecture program is accredited by the Landscape Architectural Accreditation Board.

The undergraduate program in Community and Regional Planning will seek accreditation from the Planning Accreditation Board. As required by the Board, this only can occur after 25 students have graduated from this undergraduate program.

© 2007, Temple University. All rights reserved.
A strong interest in the environment, planning, and/or design is highly desirable for students who enroll in all programs offered by Ambler College. Students interested in Community and Regional Planning also should have a desire to develop computer, social science, and communications skills. Applicants to the Landscape Architecture and Horticulture programs, depending on the intended area of study, should have a background that includes courses in art, geometry, biology, and geography.

Longwood Gardens Agreement
Students who graduate from the Longwood Gardens Professional Gardeners Program and are admissible to Temple University may receive up to 52 credits toward the Bachelor of Science degree in Landscape Architecture or Horticulture. Specified courses in the agreement must be passed with a grade of B or higher to be eligible for transfer credit. Call the Department of Landscape Architecture and Horticulture for details at 267-468-8181.

Upper Darby High School Agreement
Graduates from Upper Darby High School who meet Temple's admission standards and apply to the Associate in Science in Horticulture program within one year of high school graduation may receive up to 6 transfer credits toward the Associate's degree. Students must complete specified high school courses with a grade of B or higher. Students should see their Upper Darby High School counselor for details.

For a listing of all Temple University articulation agreements, go to http://www.temple.edu/ypus/ucc/core_transfers.htm

Financial Aid and Scholarships
In addition to assistance from the Department of Student Financial Services, there are several scholarships and grants-in-aid that are available only to Ambler campus students, Horticulture, Landscape Architecture, and Community and Regional Planning students. Also see the Financial Aid section of this Bulletin.

W. B. Saul High School of Agricultural Sciences Scholarships
Two scholarships, the Robert Hunt Scholarship and the William Mifflin Scholarship, are available to students graduating from Philadelphia's Saul High School who are admissible to Temple University and wish to study Horticulture, Landscape Architecture, or Community and Regional Planning. Interested Saul students should contact the principal of the high school for information.

Grants and Scholarships for Community and Regional Planning Students
Applications for the following are available from the Department of Community and Regional Planning and at www.temple.edu/ambler/ac_services/scholarshipslah.htm.

- Arthur F. Loeben Scholarship in Community and Regional Planning: awarded to a freshman or transfer student majoring in Community and Regional Planning. The Chairperson of the Department of Community and Regional Planning chooses the recipient of the tuition scholarship based on academic performance, extracurricular activities, and interest in the field of planning. A one-page essay describing the importance of planning in the student’s community is required. The application deadline is March 1. The scholarship is a $1,000 renewable award, which a student may receive for up to four years by maintaining at least a 3.0 cumulative grade point average and by remaining enrolled in the Community and Regional Planning bachelor’s degree program.

- The Toward Sustainability Scholarship: an annual $1,000 non-renewable scholarship awarded to an Ambler campus sophomore or junior Community and Regional Planning major with a minimum grade point average of 2.75 or higher and a demonstrated commitment to community service.

- Pennsylvania Planning Association (PPA), Southeast Section, Scholarship: scholarships of $500 (first place) and $300 (second place) are available to second semester Planning students through peer competition. In the judgment of PPA professionals, the winners have produced outstanding papers which are applicable to planning practice and issues in the Philadelphia area, contribute to planning practice and innovation, and demonstrate quality writing and presentation. Papers are due by July 30.
• **Pennsylvania Planning Association Scholarship Program**: scholarship based on financial need and the applicant’s explanation of his/her reasons for entering the field of planning and of the intended use for the scholarship. Applications are due by June 30. For additional information go to [http://www.planningpa.org/](http://www.planningpa.org/)

Grants and Scholarships for Landscape Architecture and Horticulture Students

Applications for the following are available in the Department of Landscape Architecture and Horticulture office and at [www.temple.edu/ambler/ac_services/scholarshipslah.htm](http://www.temple.edu/ambler/ac_services/scholarshipslah.htm).

• **Wilmer Atkinson Memorial Scholarship**: provides tuition assistance of varying amounts based on scholarship and financial need.

• **The Louise and James Bush-Brown Alumni Scholarship**: $1,000 scholarship presented annually by the Ambler College Alumni Association to a current sophomore or junior based on character, worthiness, interest in chosen vocation, and academic excellence during the past year.

• **Stephanie Sherman Cohen Horticulture Scholarship**: established in 2005 by Stephanie Cohen, Founding Director of the Landscape Arboretum of Temple University Ambler and an Ambler College adult graduate, provides $500 tuition support for an adult student (at least 30 years of age) based on academic excellence (3.0 grade point average or higher) who is studying Horticulture for a second degree or for a career change.

• **Barry and Denise Cyphers Horticulture Scholarship**: $1,000 renewable award to a freshman student based on financial need, with preference for a participant in the Awbury Arboretum Apprentice Program.

• **Doylestown Nature Club Scholarship**: three scholarships of $1,500 awarded annually based on academic performance and financial need. Preference is given to students from Bucks County.

• **Garden Club of Bala Cynwyd Scholarship**: two $500 awards given annually based on academic performance and financial need. Preference is given to students from Bala Cynwyd.

• **Lou Henry Hoover Girl Scout Scholarship**: $1,000 awarded annually to a student who has been active within the past five years in the Girl Scout Movement as a Senior Girl Scout, based on financial need.

• **Horticulture/Landscape Architecture Alumni Scholarship**: a $750 scholarship funded by the Ambler College Alumni Association (ACAA) and awarded to a full-time student who has completed half of the credit requirement for the major, based on financial need, academic achievement, and volunteer service contributing to the well-being of the Ambler gardens and greenhouse. (Note: Recipients are not eligible for the Louise and James Bush-Brown Alumni Scholarship.)

• **Larkin Family Scholarship**: $2,000 renewable scholarship awarded annually to a student from Maryland based on financial need.

• **The Jane R. Martin Memorial Scholarship**: awarded to three students entering their sophomore year based on academic achievement and demonstrated potential for future success in Horticulture or Landscape Architecture.

• **Pennsylvania Landscape and Nursery Association (PLNA) Foundation Scholarship**: $1,000 tuition award to a Horticulture major, in year two of the Associate’s degree program or in year three or four of the Bachelor’s degree program, with a grade point average of at least 3.0 in the major and at least 2.5 cumulatively, who has excelled in projects demonstrating ability to apply the knowledge gained to real life situations. Students are nominated by Department faculty.

• **Peter G. Schlotterer Ecological Restoration Scholarship**: two $3,000 scholarships awarded annually to junior or senior students who reside in southeastern Pennsylvania and demonstrate commitment to environmental preservation and restoration. The scholarships are based on academic performance and financial need.

• **Solomon Scholarship for Academic Excellence in Landscape Architecture**: recognizes a minority and/or female student in Landscape Architecture who demonstrates high academic achievement and financial need.

• **Lenora Friesleben Vaughan Scholarship**: $500 scholarship awarded annually to a student entering the sophomore year, based on academic performance and financial need.

• **Woman’s National Farm and Garden Association, National Level, Scholarship**: two $1,250 scholarships awarded annually based on academic performance and financial need.

• **Woman’s National Farm and Garden Association, Beacon Hill of New Jersey Branch, Scholarship**: $500 awarded annually to a female student from New Jersey, based on academic performance and financial need.

• **Woman’s National Farm and Garden Association, Pennsylvania Division**: $500 scholarship awarded annually to a female student, preferably from western Pennsylvania, based on academic performance and financial need.
Special Programs and Facilities

Center for Sustainable Communities (CSC) at Temple University Ambler
Jeffrey Featherstone, Ph.D., Director
www.csc.temple.edu

The Center for Sustainable Communities develops and promotes new approaches to protecting and preserving quality of life through sustainable development, balancing the relationship between environmental integrity, economic prosperity, and social equity. It was designed to build on Temple University Ambler's strengths in horticulture and landscape architecture and to draw upon the expertise of all Temple University faculty. A working resource for government agencies, community organizations, and developers, the Center provides objective information and services to improve decision-making relative to land use and water resources planning, in addition to conducting interdisciplinary research and offering educational and community outreach programs. Students in degree programs in Community and Regional Planning, Horticulture, and Landscape Architecture have the opportunity to take full advantage of the CSC to obtain practical experience on campus.

Greenhouse
267-468-8174

The Greenhouse provides students with a first-class facility to study plant and soil science. The energy-efficient greenhouse includes computerized climate controls and thermal blankets to protect the plants in the winter and shade them in the summer. Modern fertilizer injection systems water and fertilize plants simultaneously. In addition to being used for coursework, the Greenhouse provides faculty and students with a facility to conduct horticulture research that is at the forefront of the industry.

The Landscape Arboretum of Temple University Ambler
Jenny Rose Carey, Director
267-468-8400
http://www.temple.edu/ambler/arboretum/

The Temple University Ambler campus has a long history and rich tradition of horticulture and landscape design. Established as the Pennsylvania School of Horticulture for Women in 1911, the 187-acre campus represents a unique mix of natural and designed landscapes. The gardens and campus serve as an excellent outdoor teaching laboratory for numerous classes and as a source of inspiration for students, faculty, and visitors. The campus was officially designated an arboretum in March 2000. Now known as The Landscape Arboretum of Temple University Ambler, it continues to develop as a living laboratory. The formal gardens have recently been revitalized to express the character of their original design, and many new garden additions are included throughout the grounds.

As the home of Temple University's Department of Landscape Architecture and Horticulture, the Ambler campus has a myriad of learning gardens, including an herb garden, ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, sustainable wetland garden, trial garden, and large perennial borders. New gardens are under construction, including a winter contemplative garden featuring fragrant plants, a dwarf conifer garden, and a healing garden.

Semester Abroad

After careful consultation with their advisors, juniors and seniors in Landscape Architecture and Horticulture and students in other Ambler College programs may elect to enroll in a semester abroad. Many options are available, including the Rome or Japan campuses and the Edinburgh Exchange Program. Applications and scholarship information for the exchange program are available from the Department of Landscape Architecture and Horticulture. For more information about Study Abroad options, see International Programs and Study Abroad.

Awards for Achievement and Honor Societies

Academic and Leadership Awards

All Ambler campus students are eligible to qualify for the academic and leadership awards presented annually that are described in the Ambler Campus section of this Bulletin.

The following annual awards are available to Department of Landscape Architecture and Horticulture students only. For applications, go to www.temple.edu/ambler/ac_services/scholarshipslah.htm.
• **Ambler College Alumni Association (ACCA) Award:** $100 to a graduating student in Horticulture or Landscape Architecture for dedication, unselfishness, and contribution to Ambler College.

• **American Society for Horticultural Science Award:** recognizes an outstanding senior majoring in Horticulture; based on scholarly achievement, leadership activities, participation in campus/club activities, and service to the department.

• **American Society of Landscape Architects (ASLA) Student Awards of Honor and Merit:** recognize students, with cumulative averages of at least 3.0, who, in the opinions of their faculty and professionals from the local ASLA chapter, have achieved a sustained level of outstanding performance in their studies and show promise of making significant contributions to the profession.

• **American Society of Landscape Architects (ASLA), Pennsylvania/Delaware Chapter, Central Pennsylvania Section, Design Excellence Award:** $1,000 award to a Landscape Architecture major entering the junior or senior year, who, in the opinion of the Department faculty, shows design excellence, leadership, and professional promise. The award will fund expenses associated with attending the ASLA National or State Meeting.

• **Viola Anders Merit Award:** $100 award funded by the Ambler College Alumni Association and presented to one graduating student and one undergraduate in Horticulture or Landscape Architecture for meritorious service in the greenhouse or the Landscape Arboretum of Temple University Ambler.

• **Bierhuizen Family Undergraduate Research Award:** $500 presented annually to a Horticulture student to help defray the costs associated with the Senior Research Project.

• **The Emma Blakiston-Frances Lukens Book Award:** $50 award for the purchase of books, given to the member of the graduating class in Horticulture and Landscape Architecture who ranks highest in academic achievement.

• **The Faculty Special Contribution Award:** $100 presented, when merited, in recognition of a graduating student's outstanding contributions to the improvement of the Department.

• **Landscape Architecture and Horticulture Faculty Award:** $100 presented to graduating students in Horticulture (A.S.), Horticulture (B.S.), and Landscape Architecture (B.S.) for academic excellence and personal growth during their years at Ambler.

• **The Pi Alpha Xi Award of Admiration:** presented to a graduating member of the Alpha Mu chapter of the Pi Alpha Xi national horticulture honor society who is most admired by his/her peers.

• **The Special Achievement Award:** presented, when merited, in recognition of a student’s perseverance and determination in pursuit of the Associate in Science or Bachelor of Science degree.

**Landscape Architecture and Horticulture Honor Societies**

**Pi Alpha Xi** is the national honor society for students majoring in horticulture. To be admitted to the society, a student must be a junior or senior, have a cumulative grade point average of at least 2.75, and have a grade point average of at least 3.0 in all horticulture courses.

**Sigma Lambda Alpha** is the honor society for landscape architecture majors. To be admitted to the society, a student must be a junior or be in the fifth semester of their program and have a cumulative grade point average of at least 3.2. A student who does not qualify in the junior year may be elected in the senior year.

**Student Associations**

**Landscape Architecture and Horticulture Student Association**

This organization, which incorporates a Pennsylvania/Delaware Student Chapter of the American Society of Landscape Architects (ASLA), holds annual fundraising events, such as plant sales, and sponsors a student-mentoring program.

In addition, all Ambler College students may participate in the student organizations listed in the Ambler Campus section of this Bulletin.

**Academic Advising Information**

Academic and Career Development
West Hall 109
267-468-8200
tuaadvis@temple.edu
www.temple.edu/ambler/advising/

© 2007, Temple University. All rights reserved.
The Office of Academic and Career Development provides access for Ambler College students to both professional and faculty advisors who assist students with their choice of programs and curricula, help students understand the University and its policies and procedures, and help students to attain their vocational and postgraduate goals.

Students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status. Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising.

Newly-admitted freshmen and transfer students are advised for their first semester by professional advisors. Continuing students with 30 semester hours or more usually see faculty advisors.

The services provided by this office include:

**For New Students (Freshmen and Transfer):**

- Academic Preview during the New Student Orientation Program (including an online orientation option for new transfer students).
- Academic counseling.
- Registration.

**For Continuing Students:**

- Academic counseling.
- Career development counseling, workshops, career fair.
- Curriculum advising.
- Final graduation clearance.
- Pre-professional advising.
- Transfers between colleges and campuses within the University (IUT), Withdrawal, Readmission, and Reinstatement Interviews.
- Registration assistance.

**For Prospective Students:**

- Academic counseling.
- Information sessions.

**For Continuing Education (non-matriculated) Students, including Visiting and High School Students:**

- Academic counseling.
- Registration.

**For Students with Disabilities:**

- Documentation review.
- Accommodation arrangements.

**For All Students:**

- Referrals to other University programs and services.
- Provide information on academic grievance procedures. (Non-academic grievances should be directed to the Office of Student Life.)
Academic Policies and Regulations

Please see Academic Policies and Regulations. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions, for Ambler College appear below.

Dean's List

A student whose semester average is 3.5 or above is awarded the distinction of being placed on the Ambler College Dean's List. To be eligible, a full-time student must be matriculated, carry at least 12 credits of graded courses in that semester, and achieve a grade point average of at least 3.5. A part-time matriculated student must have completed the fall semester and following spring semester with a combined total of at least 12 semester hours of graded course work and achieved a combined two-semester grade point average of 3.5 or above. Students whose semester grades include one or more MG (Missing Grade), NR (Not Reported), or unresolved I (Incomplete) are excluded from consideration since grade changes may affect cumulative grade point averages.

Readmission/Reinstatement

Ambler College students who have voluntarily withdrawn from the University and wish to return must file the appropriate form if they had one semester (fall or spring) or more of non-attendance. Forms may be obtained in the Office of Academic Services, West Hall, Lower Level 11. Before a readmission decision can be made, the student is requested to indicate any course taken since leaving Temple, and provide a copy of an official transcript from each institution attended. Both the academic advisor and the student have the right to request an interview as part of the procedure. Students who received a medical withdrawal may be asked to provide medical documentation clearing them to return to school and to schedule an interview with an advisor before a readmission decision can be made.

Students who were dismissed for academic reasons should see the University policy on Academic Warning, Probation, Dismissal, and Reinstatement.

Second Degrees

Students who have earned a Bachelor's degree may earn a second bachelor's degree in Landscape Architecture or Horticulture. Students who are interested in Community and Regional Planning should consider enrolling in the Community and Regional Planning Master of Science degree program. Schools and colleges may waive up to 9 credits of degree requirements outside the second major for students who already have a bachelor's degree. See Academic Policies and Regulations.

Student Grievance Procedures

All students have the right to adjudicate grievances concerning academic matters in a fair and expeditious manner. Consult your academic advisor for information on procedures. Non-academic grievances should be directed to the Ambler campus Office of Student Life. Also see http://www.temple.edu/bulletin/Responsibilities_rights/rights/rights.shtm#grievance

General College Graduation Requirements

Please see Academic Policies and Regulations. The following policies apply to all Ambler College students:

Academic Residency Requirements

All undergraduates must take 30 of their last 45 semester hours at Temple University. Community and Regional Planning majors must complete at least half of the courses required in the major at Temple. While candidates for a degree at Temple, students wishing to take academic work at another institution, either classroom or online courses offered during the regular year or in summer sessions, must have an advisor's prior approval before enrolling at the other institution. See Academic Policies and Regulations.

Courses Inapplicable to Graduation

Credits earned in the following courses are not applicable toward degrees awarded by Ambler College: Military Science (ROTC), ELECT, Russell Conwell Center (SRAP), and Mathematics 0015. For the Department of Landscape Architecture and Horticulture (LAH), Horticulture 1001, unless it is the student's first LAH course or part of a successful credit certificate, is not applicable toward degree credit.
**Grades and Grade Point Average**

To be awarded an Ambler College degree, students must have a cumulative grade point average of at least 2.0 and pass all Core courses with a C- or higher. In addition, Community and Regional Planning majors must pass every required Community and Regional Planning course with a C- or higher and have a cumulative average of at least 2.0 for all courses in the major. For degrees in Landscape Architecture and Horticulture, no more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

**Program Requirements**

**Planning a Program of Study**

The information in the following requirements sections is designed to provide students with guidance in planning their program of study. The requirements, electives, and, in some cases, sequences are detailed. Courses are scheduled for students to follow the planned sequence. If students do not follow their program as designed, they may face conflicts or not have required prerequisites that will necessitate enrolling for additional semesters to complete their requirements.

If students enter a program after the freshman year, they must understand that their degree requirements may not be met within the traditional eight semesters (or four semesters for the Associate's degree). When students first meet with their academic advisor, they should plan how long it will take to complete their degree requirements.

**Requirement Modifications**

The requirements for the degrees are under continuing review and are, therefore, subject to modification. See the latest departmental degree requirements for any changes and meet with an advisor to ensure these changes are met.

**Additional Notes**

The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

Certain courses fulfill multiple requirements. In consultation with their academic advisor, students will be able to plan their curriculum more effectively.

Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section of this Bulletin.

**Important Student Contact Information**

Contact information for academic departments can be found under the listing for each individual program.

Senior Associate Dean  
Lolly Tai, Ph.D.  
Administration Building, First Floor  
267-468-8011  
e-mail: lollytai@temple.edu

Assistant Dean for Student Life  
Wanda Lewis-Campbell, Ed.D.  
Bright Hall 101  
267-468-8425  
e-mail: wanda.lewis-campbell@temple.edu

For other contact information, such as Financial Services, Registration, Career Services, and Disability Services, see the Ambler Campus section of this Bulletin.

An up-to-date Directory of all Temple University Ambler personnel (name, title, office location, telephone number, and e-mail address) is available at http://www.temple.edu/ambler/about/directories.htm.
Faculty
For contact information or updates, go to www.temple.edu/amber/about/directories.htm

Administration
James W. Hilty, Acting Dean, Ambler College; CEO, Temple University Ambler; Ph.D., University of Missouri
Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, BSc, Southampton University, England
Marylou Delizia, Director, Temple University Fort Washington Graduate and Professional Education Center; Director, Office of Non-Credit and Special Programs; M.Ed., Temple University
Jeffrey Featherstone, Director, Center for Sustainable Communities; Research Professor, Department of Community and Regional Planning, Ph.D., Temple University
Bonnie Frumer, Assistant Dean for Curriculum, M.A., Temple University
Deborah Howe, F.A.I.C.P., Chair and Professor, Department of Community and Regional Planning, Ph.D., University of Michigan
Saul Katzman, Director of Finance and Operations, B.B.A., Temple University
Wanda Lewis-Campbell, Assistant Dean for Student Life, Ed.D., Temple University
Irene Lojeski, Assistant Director of Student Services-Academic Services and Administration, M.Ed., Temple University
Linda M. Lowe, Director of Development and Alumni Affairs, B.A., Duquesne University
Susan McCaffrey, Assistant Director of Student Services-Academic Advising; Disability Resources and Services Coordinator; M.S., Western Maryland College
Mary E. Myers, R.L.A., A.S.L.A., Acting Chair and Associate Professor, Department of Landscape Architecture and Horticulture, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland
Rachel Oliver, Assistant Director of Enrollment Services, B.A., Temple University
Susan E. Spinella, Assistant Director, Center for Sustainable Communities; Adjunct Assistant Professor, Department of Community and Regional Planning; M.S., Temple University
Sylvia Studenmund, Manager for Administration, M.Ed., Temple University
Lolly Tai, R.L.A., F.A.S.L.A, Senior Associate Dean, Professor of Landscape Architecture; Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland
Cory A. Thomas, Director of Enrollment Services and Marketing, M.C.P., University of Cincinnati

Community and Regional Planning
Professor
Deborah Howe, F.A.I.C.P., Chair, Ph.D., University of Michigan

Research Professor
Jeffrey Featherstone, Director, Center for Sustainable Communities, Ph.D., Temple University

Research Associate Professor
M. Richard Nalbandian, M.R.P., University of Pennsylvania; M.S., Massachusetts Institute of Technology

Assistant Professor
Lynn A. Mandarano, P.E., Ph.D., University of Pennsylvania
Bradley Flamm, Ph.D., University of California Berkeley

Senior Lecturer
William Cohen, Ph.D., University of Pennsylvania

Adjunct Associate Professor
William Kaplan, R.A, M. Arch., Harvard University

Adjunct Assistant Professor
Rachel B. Cohen, M.U.P., M.S.W., University of Michigan
Jeffrey P. Doshna, M.C.R.P., Rutgers, The State University of New Jersey
Md. Mahbubur Meenar, Senior Geographic Information Systems Design Specialist, Center for Sustainable Communities, M.U.P., State University of New York at Buffalo
Susan E. Spinella, Assistant Director, Center for Sustainable Communities, M.S., Temple University

© 2007, Temple University. All rights reserved.
Cory A. Thomas, Director of Enrollment Services and Marketing, Temple University Ambler, M.C.P., University of Cincinnati
Joanne Walker, J.D., M.A., Syracuse University

Landscape Architecture and Horticulture

Professor

Associate Professor
Valencia Libby, M.S., University of Delaware
Mary E. Myers, R.L.A., A.S.L.A., Acting Chair, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland
Elizabeth Sluzis, Ph.D., Rutgers, The State University of New Jersey

Assistant Professor
Robert Kuper, M.L.A., Auburn University
Michael Olszewski, Ph.D., University of Delaware
Jun Yang, Ph.D., University of California, Berkeley

Adjunct Instructor
Stuart Appel, R.L.A., M.B.A., LaSalle University
Russel Blair, M.S., Rutgers, The State University of New Jersey
Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, BSc, Southampton University, England
Sarah Deacle, M.S., Michigan State University
Mark S. Ferraro, M.Ed., Temple University
Geoffrey Kempter, I.S.A. Certified Arborist, B.S., University of Michigan, Ann Arbor
Eva Monheim, M.A., Arcadia University
Susan Mrugal, R.L.A., M.S., West Chester University
Joseph Muldowney, Registered Surveyor and Regulator, B.S., Saint Joseph's University
Elaine B. Rosenberg, M.L.A., University of Pennsylvania
Margaret Schofield, M.A., Villanova University
Priscilla Shaffer, B.A., Temple University
Brent C. Whiting, Senior Technical Support Specialist, Computer Services, B.S.L.A. Temple University

Emeritus Faculty

John Collins
George H. Manaker
George Whiting
Hans Zutter

Community and Regional Planning

Deborah Howe, F.A.I.C.P., Ph.D., Chair
West Hall 211
267-468-8300
crp@temple.edu
www.ambler.temple.edu/crp

© 2007, Temple University. All rights reserved.
There is an urgent need in this region and throughout the nation for professionals involved in developing plans for the
growth and revitalization of urban, suburban, and rural communities. Students with degrees in Planning have many
employment options in the public and private sectors.

This program helps students understand how to create and evaluate plans that make the best use of a community’s land
and resources for commercial, institutional, residential, and recreational purposes. Through classroom experience, team
projects, and a required internship, students learn about the economic issues of planning and develop sensitivity to the
social and environmental impact of planning decisions. They acquire communication and problem-solving skills through
knowledge of Geographic Information Systems (GIS), site planning, planning and zoning law, research and design
methods, American political institutions, negotiation, and mediation. Students in Community and Regional Planning have
the opportunity to take advantage of the Center for Sustainable Communities to obtain practical experience on campus.

Degree Requirements

Bachelor of Science
The Bachelor of Science degree in Community and Regional Planning may be conferred upon a student by recommendation
of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum
cumulative GPA of 2.0 overall and in the major. A grade of C- or higher is required in all Core courses and in the required
courses for the major. At least half of the courses required for the major must be completed at Temple University.

Summary of Requirements for the Degree
1. University requirements

   • Math 0701 (3 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.
   • University Core Curriculum requirements (40-52 s.h.) including completion of the Library Orientation, also known as
     Temple Information Literacy Tutorial or TILT. (Transfer students should see the Core Curriculum section of the
     Undergraduate Bulletin.)

2. Major requirements (minimum of 42 s.h.)

   • Fourteen (14) courses are required for the major in Community and Regional Planning (C+R PLN):

   Eleven Required Community and Regional Planning Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>C+R PLN</td>
<td>1017</td>
<td>Introduction to Community &amp; Regional Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>1027</td>
<td>History &amp; Practice of Community &amp; Regional Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2014</td>
<td>Planning Policy &amp; Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2114</td>
<td>Urban Form &amp; Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2213</td>
<td>Environmental Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2413</td>
<td>Planning Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2513</td>
<td>Analytical Methods in Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>2524</td>
<td>Fundamentals of Geographic Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>3889</td>
<td>Planning Studio</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>4885 *</td>
<td>Internship &amp; Professional Practice in Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C+R PLN</td>
<td>4896 **</td>
<td>Senior Community &amp; Regional Planning Capstone Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

   Subtotal                                              | 33    |

   * May be taken in the Summer between Years 3 and 4 or in Fall of Year 4
   ** Indicates Writing Capstone for the Major

Three Community and Regional Planning Electives

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
### Electives

<table>
<thead>
<tr>
<th>C+R PLN</th>
<th>Electives</th>
<th>C+R PLN course at 2000-level or higher</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td><strong>Total for Major</strong></td>
<td></td>
<td></td>
<td>42</td>
</tr>
</tbody>
</table>

3. Electives (approximately 30-42 s.h.)

- Students should consult with their advisor for recommended electives.

### Landscape Architecture & Horticulture

*Founded 1958*

Mary E. Myers, R.L.A., A.S.L.A., Ph.D., Acting Chair
Dixon Hall 201
267-468-8181
la.hort@temple.edu
www.ambler.temple.edu/la-hort

The Department of Landscape Architecture and Horticulture offers four-year baccalaureate degree programs in Landscape Architecture and Horticulture; a two-year Associate in Science degree in Horticulture, with a general or business emphasis; and credit certificates in horticulture. The Landscape Architecture degree is accredited by the Landscape Architectural Accreditation Board.

With origins that trace back to the Pennsylvania School of Horticulture for Women, founded at Ambler in 1911, the Department, throughout its history, has combined theory with practice. Committed to excellence in ecologically-based education, the department provides students with the knowledge and understanding of sustainable environments. Through an ecological approach to planning, design, development, and care of the land, the programs in Landscape Architecture and Horticulture promote the development of skills to improve the quality of urban, suburban, and rural communities. The unique curricula integrate horticulture and landscape architecture. A state-of-the-art greenhouse is available to students. Students and faculty also utilize the 187-acre Temple University Ambler campus as both an arboretum and living laboratory.

Careers in horticulture and landscape architecture are available in both the public and private sector. For landscape architecture graduates, careers in public landscape architecture include positions with regional, county, and city planning commissions, and park, recreation, housing, and transportation agencies. Private practice includes the design of recreational, residential, commercial, institutional, and industrial projects, as well as the overall planning of new communities. Environmental protection, historical restoration, and land reclamation efforts could also be an important part of the role of a landscape architect.

Students with a degree in horticulture could be involved in the production, use, installation, and management of plants. They may:

- Produce plants in greenhouses and nurseries for sale and landscape use.
- Design, install, and/or maintain residential, commercial, or public landscapes.
- Work in arboreta, botanic gardens, parks, or golf courses.
- Teach in a high school, community college, or university.
- Research new technologies and plants in private and public institutions.
- Work toward registration as a horticultural therapist.
- Write about plants and horticulture for articles, books, and copy on Web sites.
- Work as an extension agent or specialist helping residential and commercial clients.
- Work in interior landscaping or floral design.
- Work as a sales representative for horticultural or allied industries.
- Own and operate their own business.

© 2007, Temple University. All rights reserved.
**Financial Aid**
In addition to assistance from the Department of Student Financial Services, there are several scholarships and grants-in-aid that are available only to Landscape Architecture and Horticulture students. Applications for department scholarships are available from the Department of Landscape Architecture and Horticulture office and at www.temple.edu/ambler/ac_services/scholarshipslah.htm. Also see Financial Aid.

**Continuing Education**
The Department offers a variety of credit courses in the late afternoon, in the evening, and on weekends. These courses, available to degree seeking students, are also open to people interested in horticulture who are not seeking a degree. It is also possible, over a period of years, to complete all of the requirements for credit certificate programs or Associate in Science in Horticulture degree by attending late afternoon, evening, and weekend classes. For many, these courses are a means of advancing their careers; for others, they are a source of personal enrichment. For more information, contact the Department of Landscape Architecture and Horticulture.

**Policies and Regulations**
The following departmental policy is in addition to the University policies and regulations that apply to all undergraduate students and to the policies that apply to all Ambler College students.

**Class Scheduling**
The Associate’s Degree in Horticulture can be completed in daytime or in late afternoon, evening, and Saturday classes. Students in the bachelor’s degree programs in Horticulture and Landscape Architecture will be required to take classes during regular daytime hours, with some courses available in the evening and on weekends.

**Horticulture Degree Requirements**

**Horticulture Bachelor of Science**
The degree of Bachelor of Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

**Summary of Requirements for the Degree**

1. **University requirements**
   - Math 0701 (3 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.
   - University Core Curriculum requirements (33-44 s.h. plus required courses for the major), including completion of the Library Orientation, also known as Temple Information Literacy Tutorial or TILT. (Transfer students should see the Core Curriculum section of the Undergraduate Bulletin.)

2. **Department of Landscape Architecture and Horticulture bachelor’s degree requirements (25 s.h.)**
   - 8 courses are required:
     Landscape Architecture 1013 and 1141; Botany 1111 and 1112; Horticulture 1211, 1212, 2114, and 3514.

3. **Horticulture (HORT) major requirements (minimum of 60 s.h.)**
   - Three (3) Landscape Architecture and Botany courses are required:
     Landscape Architecture 2124; Botany 2121 and 3122.
   - Nine (9) Horticulture courses are required:
     Horticulture 2221, 2222, 2323, 2324, 2334, 3423, 3424, 3523, and 4896.
   - Three (3) classes in other departments are required:
     Chemistry 1021/1023 and 1022/1024; Strategic and Organizational Communication (STOC) 1111 OR Adult and Organizational Development (AOD) 1166.
   - Four (4) Landscape Architecture, Horticulture, or Botany (LAN ARC/HORT/Botany) electives are required (minimum 12 s.h.).
4. Electives (approximately 6 s.h.)

**Suggested Semester By Semester Plan**

<table>
<thead>
<tr>
<th>Year 1 - Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Botany</td>
<td>1111</td>
<td>General Botany</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>1021</td>
<td>Introduction to Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>1023</td>
<td>Introduction to Chemistry Laboratory I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Quantitative Reasoning, First Level</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1013</td>
<td>Natural and the Built Environment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Library Orientation (TILT)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester Total</strong></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1 - Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Botany</td>
<td>1112</td>
<td>Plant Ecology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>1022</td>
<td>Introduction to Chemistry II</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>1024</td>
<td>Introduction to Chemistry Laboratory II</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Quantitative Reasoning, Second Level</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>International Studies/Language</td>
<td>3</td>
<td>L/IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester Total</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 - Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>1211</td>
<td>Woody Plants I</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2323</td>
<td>Greenhouse Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN ARC</td>
<td>1141</td>
<td>Graphics Communication</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies/Language</td>
<td>3</td>
<td>L/IS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester Total</strong></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 - Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>2121</td>
<td>Plant Physiology</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>1212</td>
<td>Woody Plants II</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2114</td>
<td>Soils</td>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2324</td>
<td>Plant Propagation</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN ARC</td>
<td>2124</td>
<td>Design Process</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester Total</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 - Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>2221</td>
<td>Herbaceous Plants I</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>3523</td>
<td>Landscape Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN ARC/HORT/Botany</td>
<td>Elective</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Arts</td>
<td>3</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Semester Total</strong></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

| Year 3 - Spring | Department | Course # | Course Name | Hours | RCI |

© 2007, Temple University. All rights reserved.
### Horticulture Associate in Science

The degree of Associate in Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 60 semester hours with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

### General Horticulture Option

This option in the Associate's Degree is for students interested in developing a well-rounded background in all areas of horticulture or specializing in a particular area of interest such as floral design, integrated pest management, or arboriculture.

### Suggested Semester By Semester Plan

#### Year 1 - Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>1111</td>
<td>General Botany</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>HORT</td>
<td>1001</td>
<td>Fundamentals of Horticulture</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>1211</td>
<td>Woody Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td>Math</td>
<td>1001</td>
<td>Elementary Algebra</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

 Semester Total 15

#### Year 1 - Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>1112</td>
<td>Plant Ecology</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

 Semester Total 15

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>1212</td>
<td>Woody Plants II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2334</td>
<td>Food Crops I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LAN ARC/HORT/Botany</td>
<td>Electives</td>
<td>Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 2 - Fall**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>2221</td>
<td>Herbaceous Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2323</td>
<td>Greenhouse Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>3423</td>
<td>Applied Entomology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>3523</td>
<td>Landscape Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LAN ARC/HORT/Botany</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 2 - Spring**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>2114</td>
<td>Soils</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>HORT</td>
<td>2222</td>
<td>Herbaceous Plants II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2324</td>
<td>Plant Propagation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>3424</td>
<td>Applied Plant Pathology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LAN ARC/HORT/Botany</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE TOTAL**

|                 |          |                        | **60**|     |

**Horticulture Business Option**

This option in the Associate's Degree is for students interested in developing a background in landscape horticulture and in business.

**Suggested Semester By Semester Plan**

**Year 1 - Fall**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>1211</td>
<td>Woody Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1001</td>
<td>Law in Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 1 - Spring**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>1112</td>
<td>Plant Ecology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>1212</td>
<td>Woody Plants II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>HR MGMT</td>
<td>1101</td>
<td>Organization and Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 2 - Fall**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>2221</td>
<td>Herbaceous Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>3423</td>
<td>Applied Entomology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business and Industry</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>Elective</td>
<td>Select one:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Credit Certificates in Horticulture
Credit certificates may be conferred upon a student by recommendation of the faculty and upon satisfactory completion of the required credits for the specific topic area with a minimum cumulative GPA of 2.0 overall.

**Horticultural Therapy**
This credit certificate course sequence meets the horticultural therapy course content required by the American Horticultural Therapy Association (AHTA) for registration as a Horticultural Therapist. View the AHTA website ([www.ahta.org](http://www.ahta.org)) for ADDITIONAL requirements for the Voluntary Professional Registration program as a Horticultural Therapist, such as internship experience.

**Required courses are:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>1001</td>
<td>Fundamentals of Horticulture or Art of Floral Design I</td>
<td>2</td>
<td>AR</td>
</tr>
<tr>
<td>HORT</td>
<td>1651</td>
<td>Herbaceous Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2221</td>
<td>Introduction to Horticultural Therapy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2754</td>
<td>Horticultural Therapy Skills</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2755</td>
<td>Horticultural Therapy Program Management</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits for the Temple Ambler Horticultural Therapy Certificate**: 14-15

**Landscape Plants**
This credit certificate provides an intensive learning experience in both woody and herbaceous landscape plants and a brief introduction to other areas of horticulture. Learning the names and usage of plants provides a deeper understanding for anyone interested in gardening and landscaping. For the professional, it provides the essential knowledge of plants needed to design high-quality landscapes for clients. For the hobbyist, it provides information that enriches the gardening experience. Required courses are:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT</td>
<td>1001</td>
<td>Fundamentals of Horticulture</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>1211</td>
<td>Woody Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>1212</td>
<td>Woody Plants II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2221</td>
<td>Herbaceous Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HORT</td>
<td>2222</td>
<td>Herbaceous Plants II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits for the Landscape Plants Certificate**: 14
Other credit certificate areas are under consideration. See the Department of Landscape Architecture and Horticulture Web site for the latest information.

Landscape Architecture

Mary Myers, R.L.A., A.S.L.A., Ph.D., Acting Chair
Dixon Hall 201
267-468-8181
la.hort@temple.edu
www.ambler.temple.edu/la-hort

Bachelor of Science

The degree of Bachelor of Science in Landscape Architecture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 130 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

Summary of Requirements for the Degree

1. University requirements

   • Math 0701 (3 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.
   • University Core Curriculum requirements (30-40 s.h. plus required courses for the major) including completion of the Library Orientation, also known as Temple Information Literacy Tutorial or TILT. (Transfer students should see the Core Curriculum section of the Undergraduate Bulletin.)

2. Department of Landscape Architecture and Horticulture requirements (25 s.h.)

   • Eight (8) courses are required:
     Landscape Architecture 1013 and 1141; Botany 1111 and 1112; Horticulture 1211, 1212, 2114 and 3514.

3. Landscape Architecture (LAN ARC) Major requirements (minimum of 66 s.h.)

   • Nine (9) Landscape Architecture courses are required (27 s.h.):
     Landscape Architecture 1142, 1244, 1544, 2241, 2242, 2496, 3243, 3345, and 3644.
   • Six (6) Landscape Architecture studios are required (36 s.h.):
     Landscape Architecture 2143, 2144, 3145, 3146, 4147, and 4198.
   • One (1) Landscape Architecture, Horticulture, or Botany (LAN ARC/HORT/Botany) elective is required (minimum of 3 s.h.).

4. Electives (approximately 3 s.h.)

Suggested Semester By Semester Plan

<table>
<thead>
<tr>
<th>Year 1 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1013</td>
<td>Natural and the Built Environment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1141</td>
<td>Graphics Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Botany</td>
<td>1111</td>
<td>General Botany</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Quantitative Reasoning, First-level</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Library Orientation (TILT)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Semester Total</td>
<td></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Year 1 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1142</td>
<td>Design Fundamentals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1244</td>
<td>Surveying</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>1544</td>
<td>Introduction to CAD</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Botany</td>
<td>1112</td>
<td>Plant Ecology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Quantitative Reasoning, Second-level</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>2143</td>
<td>Landscape Arch Design Studio I</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>2241</td>
<td>Landscape Engineering I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HORT</td>
<td>1211</td>
<td>Woody Plants I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>2144</td>
<td>Landscape Architecture Design Studio II</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>2242</td>
<td>Landscape Engineering II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HORT</td>
<td>1212</td>
<td>Woody Plants II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HORT</td>
<td>2114</td>
<td>Soils</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>2496</td>
<td>Landscape Traditions</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>3145</td>
<td>Landscape Architecture Design Studio III</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>3243</td>
<td>Landscape Engineering III</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC</td>
<td>3345</td>
<td>Planting Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Studies in Race</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAN ARC</td>
<td>3146</td>
<td>Landscape architecture Design Studio IV: Design/Build</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Writing Intensive Course (W or X)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 – Fall (Ambler, Japan, or Rome Option)</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambler Option</td>
<td>LAN ARC</td>
<td>4147</td>
<td>Landscape Architecture Design Studio V: Fall Senior Studio</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAN ARC/HORT/Botany</td>
<td>Elective</td>
<td></td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>Arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core</td>
<td>Elective</td>
<td>International Studies/Language</td>
<td>3</td>
<td>L/IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
<td></td>
</tr>
<tr>
<td>Japan or Rome Option</td>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td></td>
<td>Arts</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Core</td>
<td>Electives</td>
<td></td>
<td></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Semester Total</td>
<td></td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>Elective</td>
<td></td>
<td>International Studies/Language</td>
<td>3</td>
<td>L/IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Note: Japan or Rome students take a LAN ARC, HORT, or Botany elective instead)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester Total</td>
<td></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE TOTAL** 130

* Indicates Writing Capstone for the major.

**TYLER SCHOOL OF ART**

Founded 1935

Keith Morrison, Dean

Elkins Park Programs
7725 Penrose Avenue
Elkins Park, PA 19027

Main Campus Programs
1947 N. 12th Street
Philadelphia, PA 19122
215-782-2828
www.temple.edu/tyler
tyler@temple.edu

**Introduction**

**Goals and Objectives**
The Tyler School of Art provides a comprehensive curriculum in fine arts, crafts, design, art education, art history, and architecture. The Bachelor of Fine Arts (B.F.A.) professional programs are offered in Ceramics/Glass, Fibers, Graphic and Interactive Design, Metals/Jewelry/CAD-CAM, Painting/Drawing, Photography, Printmaking, Sculpture, and B.F.A. Studio with Teaching Certification on the Tyler Elkins Park Campus. A concentration in Digital Imaging is available to B.F.A. studio majors. The Bachelor of Arts (B.A.) in Art (with a concentration in Studio Art, Visual Studies, or Digital Media), the B.A. in Art History, the Bachelor of Science (B.S.) in Art Education, B.S. in Architecture, and the Bachelor of Architecture (B.Arch.) professional program are offered on Temple University’s Main Campus. Summer classes, pre-college programs and weekend workshops are available. For information on graduate programs, please go to the Tyler website at www.temple.edu/tyler.

**History**
Stella Elkins Tyler donated her estate to Temple University in the early 1930s. With an interest in progressive education and a deep appreciation of her mentor, the sculptor Boris Blai, Mrs. Tyler offered her estate with the expressed wish that,
through Boris Blai, it would become an environment for the advancement of the fine arts, scholarly study in the arts, and individual creativity.

As founding Dean of Tyler School of Art, Blai instilled the School with a commitment to progressive education emphasizing the student’s mastery of technique within the framework of a liberal arts curriculum. Dean Blai insisted upon individual attention to each student’s needs as the basis of successful teaching. During his 25-year tenure Dean Blai shaped the school into one of the finest visual arts centers in the country, and his founding ideals still remain paramount to Tyler’s educational philosophy.

In 1960 Dean Charles Le Clair succeeded Boris Blai. During this period the Tyler campus was improved with construction of a residence hall and two studio/classroom buildings. In 1966 Dean Le Clair founded the Tyler Study Abroad program in Rome, Italy. Tyler’s Rome campus thrives today as one of the most respected fine arts study abroad programs in Europe. The program has expanded to include a full range of liberal arts, architecture, business, and law courses with an emphasis on topics relating to Rome, Italy, and the European Common Market.

Throughout the 1960s and 1970s, Tyler’s curriculum continued to grow in response to new definitions of art-making and the role of art in society. New programs and modern facilities in design, ceramics, glass, metals, and photography were added. During this time, Tyler developed the Art and Art Education department and the Art History department on Temple’s Main Campus. These departments serve majors seeking the B.A. degree with a major in art or art history, the B.S. degree in art education, and non-majors throughout the University. Today, the curriculum at Tyler continues to address contemporary needs by incorporating digital technology, video, installation, and performance.

From its modest enrollment of 12 students in the first freshman class in 1935, Tyler now boasts a student body of over 1,400 and serves another 2,000-3,000 students each year in elective and core curriculum courses. Today, Tyler is a dynamic organization, serving students at its Elkins Park campus, as well as Temple’s Main Campus, the Ambler Campus, and the Temple University Rome and Tokyo campuses. For over 65 years, the foundation of Tyler’s program has been a faculty of practicing artists and scholars teaching highly talented and motivated students.

We look forward to our future home on the Main campus of Temple University. Award-winning architect Carlos Jimenez, designer of some of the country’s premier art education facilities and exhibition spaces, has been selected to design Temple’s new Tyler School of Art building. The new Tyler building will be located adjacent to the Esther Boyer College of Music and Dance, joining Tyler Architecture Program and the School of Communications and Theater to form a “mini arts campus” within Temple’s Main Campus. Easy access to the wealth of academic courses in Temple’s other schools and colleges, athletics, residence halls, student parking, student organizations, and the active campus life of Temple University will add cosmopolitan breadth to Tyler’s studio and academic programs. The new facility will be ready in the next few years – please refer to the Tyler website for updated information: www.temple.edu/tyler.

**Accreditation**

Tyler is an accredited member of the National Association of Schools of Art and Design (NASAD) and the Middle States Association of Colleges and Schools.

The Architecture Program is accredited by the National Architectural Accrediting Board (NAAB), the sole agency authorized to accredit U.S. professional degree programs in architecture.

According to the NAAB, “In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.”

**Admissions Information**

**Bachelor of Arts and Bachelor of Science Programs**

Entering undergraduates are admitted to the Tyler Main Campus programs by the Director of Admissions of Temple University based on a review of the applicant's academic credentials. This procedure requires the applicant to file all records and test scores in the Office of Undergraduate Admissions of Temple University on the Main Campus. No portfolio is required for freshmen entering the B.A. or B.S. programs. See [Undergraduate Admissions](#) for more information.
Transfer Students

To receive transfer credit for studio credits taken at other institutions, a student must present a portfolio for each course. An evaluation will determine whether equivalent, elective, or no credit is to be awarded. The department will accept a maximum of 24 semester hours of transfer studio credit towards the major. Transfer evaluations are conducted in the fall and spring semesters only.

Applicants to any Tyler program must meet the deadlines established by the Undergraduate Admissions Office. Please refer to the Temple website for updated undergraduate deadline information. After the priority deadline dates listed by Temple Undergraduate Admissions, applications are accepted on a rolling admissions basis.

Applications and application materials may be obtained by calling: 215-782-2828 or 215-782-2875 or writing: Office of Admissions, Tyler School of Art of Temple University (801-00), 7725 Penrose Avenue, Elkins Park, Pennsylvania 19027 or through the Tyler website 'Request a Catalog' link at: www.temple.edu/tyler/ffi_catalog.asp

Architecture Program

Admission to the University does not guarantee admission to the Architecture Program. Admission will be granted to those students with strong academic credentials. While not required, a portfolio is recommended. All students are initially admitted into the Architecture Basic Studies Program and, if desired, apply for admission to the accredited Bachelor of Architecture (five year) Professional Program during the fourth studio semester.

Students seeking advanced placement in architecture design studio will be evaluated by portfolio. Students not presenting a portfolio of work will automatically be placed in first year design studio, regardless of previous credits. Contact the Architecture Program at 215-204-8813 for further information.

A maximum of 12 semester hours of credit will be allowed by the Program in relevant work experience, Advanced Placement, or CLEP examination. Matriculated, enrolled students may apply for work experience through the Director of Academic Services.

Bachelor of Fine Arts Program

Entering undergraduates are admitted to Tyler by the Director of Undergraduate Admissions of Temple University after consultation with Tyler's Assistant Dean for Admissions following the review of the student's academic record and art portfolio. This procedure requires the applicant to file all records and test scores in the Office of Undergraduate Admissions of Temple University on the Main Campus. See Undergraduate Admissions for more information.

Please refer to the University deadlines on the Undergraduate Application or go to the Temple website for deadline information. After the priority deadline dates, applications are accepted on a rolling admissions basis.

Applications and application materials may be obtained by calling: 215-782-2828 or 215-782-2875; writing: Office of Admissions, Tyler School of Art of Temple University (801-00), 7725 Penrose Avenue, Elkins Park, Pennsylvania 19027; or e-mail: tyler@temple.edu.

Portfolio Review

In addition to satisfying academic requirements, all B.F.A. freshman applicants are required to present a portfolio of fifteen to twenty pieces of original artwork for evaluation. Regularly-scheduled portfolio reviews are held on the Tyler Campus. Applicants living at a considerable distance from Tyler may elect to submit a portfolio in 35mm slide form instead of appearing for an in-person interview. Those who live in or near the Philadelphia area, however, are expected to present a portfolio of original work during a portfolio review day. This is an occasion when applicants and their families may see the campus and discuss Tyler's educational program with faculty, staff, and students. Tyler also participates in a number of National Portfolio Day events where students can meet with staff or faculty for a portfolio critique. For a complete list of NPDA events in which Tyler will participate, please contact the Tyler Admissions Office. Transfer applicants must submit a slide or CD-ROM portfolio via the U.S. mail and must include a sturdy, self-addressed, stamped envelope for the return of the slides or CD (see Transfer student information below).

While the application to Tyler is being processed by Temple University, an interview by a member of the Tyler faculty or by the Admissions Staff must be arranged. All work included in the portfolio should have been completed during the previous year and should represent as broad a selection as possible: drawings from life, work in both color and black and white media, design examples, photography, prints, crafts, or sculpture. Portfolios must include five strong examples of drawing from observation regardless of the major the applicant wishes to pursue. No work that is copied directly from photographs.
or magazines should be included. It is not necessary to mat or frame any of the art work for this presentation. Original work must not be sent through the mail.

The freshman applicant is advised to submit work done independently as well as under instruction. The transfer student should submit work that is representative of the college level studio work completed to date.

In order for the application to be completed, an 8 ½” x 11” self-portrait, in pencil from a mirror reflection, must be sent to Tyler. The application is not considered complete without the self-portrait; it becomes a permanent part of the application and is not returned. This self-portrait should not be framed or matted. Please refer to the Tyler catalogue for more information. Tyler also requires a Statement of Purpose that is separate from the Undergraduate application essay as well as a completed B.F.A. information form. For more information on the Statement and the Self-Portrait or to be e-mailed a B.F.A. information form or portfolio review appointment form, please e-mail tylerart@temple.edu.

Transfer Students

To enroll with advanced standing, applicants must fulfill the admission requirements of Temple University as well as the special requirements of the School of Art. Applicants should demonstrate a level of art performance appropriate to the year for which they are applying. Usually this requires completion of a proportion of studio and academic courses comparable to that taken by Tyler students, as well as a comparable portfolio of twenty (20) slides or a CD-ROM of at least twenty (20) images. The slides or CD should represent all studio coursework taken, as well as work towards a specific major. The slides or CD must also include five (5) strong examples of drawing from observation, regardless of the major the applicant wishes to pursue. Drawings should be complete, sustained works, not sketches.

All transfer students must submit a slide or CD-ROM portfolio through the U.S. mail instead of an in-person review of art work. The slides or CD must be accompanied by a detailed description list and a sturdy, self-addressed stamped envelope. To be as fair and precise as possible in making transfer decisions, the transfer committee consistently applies a uniform standard to all applicants. A transfer committee comprised of Tyler faculty and the Assistant Dean for Admissions will review the portfolios and academic records of each application to determine the best placement level possible. However, we strongly encourage all transfer applicants to visit the Tyler campus and to schedule a campus tour.

Tyler accepts transfer students from accredited institutions of higher education and strives to keep any loss of credit to a minimum. The transfer student will be required to complete a minimum of 30 studio credits as a full-time student on the Tyler campus. In order to be considered for transfer credit to the B.F.A. degree, studio credits must have been completed within the last ten years.

If the transfer student has not completed the equivalent of Tyler's Foundation Program, he or she must take the deficient courses, beginning with the first semester enrolled at Tyler.

Transfer students are admitted at a specific studio level (second semester sophomore, first semester junior, etc.), which is determined by transferable courses, academic performance, and the portfolio evaluation by Tyler faculty. Students who choose to enroll do so with the understanding that they are accepting the studio placement as determined by the transfer committee.

Readmission Policy

See Tyler's Academic Policies and Regulations section.

Financial Aid and Scholarships

Financial Aid

Please see the Student Financial Aid section of the Bulletin. Detailed information can also be found on the Student Financial Services website at www.temple.edu/sfs. Applications for financial aid (Free Application for Federal Student Aid) are available through the Student Financial Services office at the Tyler Elkins Park Campus, 215-782-2769, on Wednesdays and Thursdays, or through Main Campus, 215-204-2244.

Scholarships

Tyler offers merit-based and merit/financial need-based B.F.A. scholarships dependent upon available funding. Generally, between sixteen and twenty portfolio scholarships ranging from $1000 to full tuition are awarded to undergraduate
students entering in the fall semester. Some of these scholarships may continue dependent upon available funds, cumulative grade point average, and/or demonstrated financial need. All scholarships and guidelines for consideration are printed on the Scholarship List form available in the Tyler Admissions Office and posted on the Tyler website. Students who wish to compete for portfolio scholarships must follow the deadlines and application procedures indicated on the Scholarship List form. B.F.A. applicants must submit a slide portfolio along with a sturdy self-addressed, stamped envelope that must be received by the published deadline.

Matriculated students also have the opportunity to compete for Tyler-specific scholarships, including the Wayne Becker Scholarship Award and the Betty-Ann Shema Morris Scholarship. Information about merit scholarships for continuing students is posted annually at the Tyler Elkins Park campus as well as through the Dean's office and department offices.

In addition to portfolio-based scholarships, a number of scholarships for students based on academic achievement are awarded through Temple University to Tyler School of Art. These awards typically range from $1000 to full tuition. For more information about these awards, please contact the Temple University Office of Undergraduate Admissions.

**Emergency Grants and Loans**

Funds donated by alumni and friends of the school are available to students in the form of emergency grants and loans. Two such funds are the Boris Blai Memorial Tyler Student Aid Fund and the Stella Elkins Tyler Short Term Student Loans. Information about these funds is available through the Student Financial Services Office and the Business Office at the Tyler Elkins Park Campus.

**Special Programs**

**Rome**

Juniors may elect a year or semester abroad. Housed in the Villa Caproni, facing the Tiber River just north of the Piazza del Popolo, the school offers courses in painting, drawing, graphic and interactive design, photography, printmaking, sculpture, architecture, and art history. Facilities include a library, an art gallery, private work areas, and full equipment in studio disciplines. Art history is taught through direct observation of original works and historic sites. The student also may elect to take courses in Italian, anthropology, history, or literature. For more information about Study Abroad options, see International Programs and Study Abroad.

**Scotland**

In conjunction with the Glasgow School of Art, the Crafts Department of the Tyler School of Art offers an interdisciplinary studio program in Scotland. The program consists of four weeks of traveling and intensive studio workshops in a variety of media while exploring the art, culture, and geographic beauty of Great Britain.

**Japan**

Art, Media, and Design Summer Workshop in Japan is offered at the Temple University Japan campus in Tokyo. The summer workshop course incorporates lectures, site visits, readings, and discussions as well as a workshop component. Temple Japan now offers a B.A. in Art degree (digital media concentration).

**Yale Norfolk**

Traditionally, Tyler has been invited to nominate a distinguished junior B.F.A. Painting or Sculpture major for participation in the Yale Norfolk Summer School of Art and Music in Connecticut. Nominations are made by the PDS faculty.

**Black Hills/Pilchuck/Skowhegan**

Tyler offers one full scholarship each summer to the Black Hills Print Symposium in South Dakota. Nominations are made by the Printmaking faculty. The Symposium brings together professional artists and students from all over the country for a serious exchange of ideas and information. One scholarship is also awarded to the summer program of the Pilchuck Glass School in Washington State. The Pilchuck School offers glassblowing, hot glass sculpture, casting, mixed media sculpture, flame working, and neon to students from around the world. The School emphasizes experimentation, investigation, teamwork, and personal growth. Nominations are made by the Glass faculty. Each year students are nominated for a full scholarship to the nine-week Skowhegan School of Painting and Sculpture Summer Program in Maine. The scholarship covers full costs of room, board, and tuition. Skowhegan enrolls sixty advanced students of painting and sculpture from schools across the country that work independently under the guidance of six resident faculty members and weekly visiting artists. Students who have completed the junior year are nominated by presenting work to the PDS faculty.
Foreign Exchange Program

Tyler participates in an exchange program with the Glasgow School of Art, Scotland. This program involves a one-to-one student exchange for a B.F.A. major in the upper-division years for ten weeks. The formal agreement allows students to pay tuition to their home institution and maintain class-level status while experiencing the culture and education process of another country.

Career Development Services

Career Development Services provides students with up-to-date material on career planning, résumé preparation, interviewing skills, and job search techniques. Students are encouraged to schedule appointments for career conversation and advisement. For more information, see the Career Development Services section of the Bulletin, or go to their website at www.temple.edu/careerdev/ or telephone the office on the Main Campus at 215-204-7981.

Visiting Artists Program

The school and individual departments sponsor an active program of extracurricular events both on and off campus, including public lectures through critical dialogues and arranged introductions, exhibitions, and workshops. These offer students the opportunity to meet with the artists and discuss their work.

Honor Societies/Awards

Annual cash, book, and gift certificate awards are given to graduating students who have excelled in art, demonstrated outstanding scholastic achievement, or distinguished themselves in a particular department. Among these awards are the Alec Abels Memorial Award in Painting, the Alumni Service Award, the Art and Art Education Department Achievement Award, the Essie Baron Memorial Award, the Billikopf Awards, the Rudolf Staffel Award in Ceramics, the Boris Blai Memorial Award in Sculpture, the Jane D. Bonelli Art Education Award, the Kristin Huggins Memorial Award, the Del Val Potters Supply Award, the East Bay Batch & Color Awards, the Faculty Award in Art Education, the Faculty Award in Art History, the Faculty Award in Metals, the Frei and Borel Student Awards, the Graphic Design Alumni Award, the Graphic and Interactive Design Senior Project Award, the Jack Malis Glass Award, the Kalnin Graphics Award, the Allen Koss Memorial Awards, the Ann and Jack Moskovitz Art Education Award, the Raphael Sabatini Memorial Award in Printmaking, the Herman Gundersheimer Award for Academic Excellence, the Herman Gundersheimer Award for Art History, the Carmela Corso Scholarship Prize, the Edith Weil Hecht Memorial Awards in Painting and Sculpture, the Lester and Violet Hecht Award in Printmaking, the Robert and Richard Hecht Awards, the Photography Faculty Awards, the Printmaking Faculty Award, the Bertha Lowenburg Prize for excellence in art, the Nathan Margolis Award in Ceramics, the Dorothy H. Ward Memorial Award, the Philadelphia Print Center Award, the Plastic Club Award, the Power Design Award, the Philadelphia Water Color Club Award, the Rio Grande Student Award, the Vivian Rosenberg Memorial Senior Project Award, the Sculpture Project Award, the Senior Painting Award, the Bruce Silver Outstanding Achievement Award, the Taws Artist Materials Award, the Rochelle Toner Award, the T.B. Habstoz Student Award, the Utrecht Supplies Award, and the Utrecht/Hallmark Award.

The Architecture Program offers the following awards: The Architecture Program Merit Award, the Bachelor of Architecture Award, the AIA Henry Adams Medal, the AIA Henry Adams Certificate of Merit, the Alpha Rho Chi Medal, the Alumni Thesis Prize, the Da Vinci Prize, and the Diener Brick Company Masonry Award.

Student Life

215-782-2883

Student Life, located on the third floor of the Tyler Elkins Park Campus' Tyler Hall, handles most of the non-academic, extracurricular activities, including: entertainment, assistance and development of student organizations, off-campus jobs and housing, museum bus trips, recreational services, and the production of student publications. Student Life also handles student and faculty requests to reserve Tyler Gallery and Penrose Gallery for exhibitions. Student Life also maintains the schedule and reservations for Penrose Hall 107 critique space. It is given out on a first come first served basis. This space is provided for faculty members only. Additional information can be found at our Tyler Student Life website - www.temple.edu/tylerstudentlife

Student Organizations and Appointed Positions

Student Government - Two elected Tyler representatives participate in the Temple Student Government meetings on the Main Campus. This organization provides an integral link between students on all campuses and assures an ongoing dialogue with the administration.

© 2007, Temple University. All rights reserved.
Student Run Gallery - "Produce" serves as a venue to promote both student works as well as professional exhibitors. Every year two exhibitions are chosen and curated by the student advisory board, which is composed of one representative from each undergraduate class. A graduate student director manages the student advisory board and gallery budget. Students are encouraged to participate in the selection of exhibitions by becoming a part of the advisory board.

Student Program Board - Interested students organize, plan, and present culturally diverse and entertaining extracurricular programs open to the campus community as well as the general public. The General Activities Fee funds both groups.

GAF Steering Committee Representative (General Activities Fee) - Each year a student is appointed by the Director of Student Life to represent Tyler on the University's GAF Steering Committee. The committee oversees the equitable distribution of GAF money for the University/campus-wide programs, special events, and activities.

ACF (Artist Christian Fellowship) - Weekly Bible study along with a casual coffeehouse open to the campus community.

CATS - Students and alumni coordinate semi-annual fairs for the exhibition and sale of their craft work.

Beech Hall Residence Senate - Students discuss the rules and regulations of the residence hall and plan recreational events for residents.

Special Facilities
Tyler Exhibitions and Public Programs department encompasses exhibitions, lecturers, symposia, publications, performances and artists-in-residence, and is designed to encourage experimentation and dialogue in contemporary arts practice and interpretation. Exhibitions of undergraduate student work are held in the Tyler campus galleries; exhibitions of work by artists with local, national and international reputations are held in the downtown Temple Gallery; MFA Thesis exhibitions are presented throughout the exhibition spaces. The programs offer students opportunities to meet and work with exhibiting artists as well as to participate in the gallery program working on research, administrative, and installation projects. The student-run-exhibition program, "Produce," organizes exhibitions, performances and lecturers both on-campus and at other locations.

The Tyler Elkins Park and Main Campus programs house studios, workshops, and exhibition space for students in the curriculum. Specific information about facilities and studio spaces for individual majors can be found on the Tyler website under the department pages.

The Student Computer Center located in Penrose Hall Library is available to all currently enrolled Tyler students, Monday through Sunday during posted library hours. Computer monitors are available to help.

Academic Advising Information
Tyler/Elkins Park Campus: Office of the Academic Coordinator
Tyler Hall, Room 207
215-782-2780
Monday through Friday, 8:30 a.m. to 4:30 p.m., by appointment

Main Campus: Office of the Academic Advisor for Architecture, Art, Art Education, Art History
Engineering & Architecture Building, Room 806
215-204-6389
lduffy@temple.edu
Monday through Friday, 8:30 a.m. to 4:30 p.m., by appointment

Major Advising
Architecture (Main)
Engineering & Architecture Building, Room 909
215-204-8813
archinfo@temple.edu

Art and Art Education (Main)
Jo-Anna J. Moore, Ed.D., Chairperson
Anderson Hall, Room 311
215-204-7191
artedart@temple.edu

© 2007, Temple University. All rights reserved.
Art
Undergraduate Contact: Marilyn Holsing, MA Professor of Art, Undergraduate Advisor
Anderson Hall, Room 311
215-204-7171
marilyn.holsing@temple.edu
artedart@temple.edu

Art Education (Elkins Park)
Tyler Hall, Room 304
215-782-2730
artedart@temple.edu

Art Education (Main)
Anderson Hall, Room 311
215-204-7191
artedart@temple.edu

Art History (Main)
Professor Glenn Benge, Undergraduate Advisor
851 Ritter Annex
215-204-6935
215-204-7837
gbenge@temple.edu

Crafts (Elkins Park)
Professor Nicholas Kripal, Chairperson
Penrose Hall, Room 305
215-782-2868
nkripal@temple.edu

Ceramics (Elkins Park)
Professor Nicholas Kripal, Area Chairperson
Elkins Hall Ceramics Studio 004
215-782-2790
nkripal@temple.edu

Fibers (Elkins Park)
Professor Rebecca Medel, Area Chairperson
President’s Hall, Room 004
215-782-2728
rmedel@temple.edu

Glass (Elkins Park)
Professor Jon Clark, Area Chairperson
Blai Hall 103-Glass Studio
215-782-2808
Jonclark@temple.edu

Foundation Program (Elkins Park)
Jennifer Shanker, Chairperson
Tyler Hall, Room 205
215-782-2894
shanker@temple.edu

Graphic Arts and Design (Elkins Park)
Professor Stephanie Knopp, Chairperson
Penrose Hall, Room 302
215-782-2869
stephanie.knopp@temple.edu

© 2007, Temple University. All rights reserved.
Graphic & Interactive Design (Elkins Park)
Professor Alice Drueding, Area Chairperson
Penrose Hall, Room 206
215-782-2837
drueding@temple.edu

Photography (Elkins Park)
Professor Martha Madigan, Area Chairperson
Penrose Hall, Room 202
215-782-2893
mmadigan@temple.edu

Printmaking (Elkins Park)
Professor Daniel Dallmann, Area Chairperson
Penrose Hall, Room 203
215-782-2837
dallmann@temple.edu

Painting, Drawing, and Sculpture (Elkins Park)
Professor Margo Margolis, Chairperson
Penrose Hall, Room 303
215-782-2870
margom@temple.edu

Painting (Elkins Park)
Professor Margo Margolis, Area Chairperson
Penrose Hall, Room 203
215-782-2870
margom@temple.edu

Sculpture (Elkins Park)
Professor Winifred Lutz, Area Chairperson
Elkins Hall Sculpture Studio, Room 007
215-782-2863
wlutz@temple.edu

Tyler/Elkins Park Campus Advising
Advising is provided individually and in groups to full-time, matriculated students enrolled in Tyler School of Art. Additionally, the Wednesday before the start of registration is set aside each semester for advising purposes, at which time students receive their DARS and meet with an advisor. First-year students are advised by the Academic Coordinator and are automatically registered by the Tyler Office of Registration and Records. Studio advising is provided in the second year by sophomore studio advisors as assigned in each area. Major advising is by studio advisors in the student’s area with academic advising provided by the Academic Coordinator.

Freshmen are automatically scheduled for both their fall and spring semester classes. Midway through their second semester, freshmen are advised both individually and in groups by the Academic Coordinator and designated assistants on policies, methods, and procedures to assist them in self-registration for their first sophomore semester.

Sophomores also meet with the Academic Coordinator and selected advisors who will help them register for their second sophomore semester. When sophomores register for their junior year, they are assigned to a major advisor, a faculty member from the major they enter, who will continue to advise the student during his/her junior and senior years on studio matters.

Juniors, seniors, and all transfer students should continue to consult the Academic Coordinator for advising and core requirements.

Additional Advising Services
The Academic Coordinator (Tyler Hall, Room 207; 215-782-2780) should be contacted if there are questions concerning courses that require placement testing. The Coordinator meets with all students on academic probation or designated "at-risk" by virtue of multiple mid-term deficiency notices and is responsible for specific adjustments due students with disabilities. Although the Coordinator has scheduled hours, we suggest calling 215-782-2780 for an appointment.
The Associate Dean for Academic Affairs (Tyler Hall, Room 200; 215-782-2718) is available for advising that cannot be handled through normal channels or to help with special problems.

**Main Campus Advising**
Advising is provided to matriculated students enrolled in the Architecture, Art & Art Education, and Art History programs on the Main Campus by the Director of Academic Services and the major undergraduate advisors in the departments.

The week before the start of registration is set aside each semester for advising purposes, at which time students can obtain their DARS report and meet with an advisor. Major advising is by advisors in the student's area with academic advising provided by the Academic advisor. The Director of Academic Services meets with undeclared students who are interested in various Tyler majors.

The Academic advisor should be contacted if there are questions concerning English 1002 (College Composition), Intellectual Heritage, and other Core curriculum requirements, or developmental courses in English and Mathematics. The advisor meets with all students on academic probation or designated "at-risk" by virtue of multiple mid-term deficiency notices; is responsible for specific adjustments due students with disabilities; and is available by appointment to students with problems impacting on their academic and collegiate progress.

The Associate Dean of Tyler Main Campus Programs (Engineering & Architecture Building, Room 810; 215-204-4302) is available for advising that cannot be handled through normal channels or to help with special problems.

**Academic Policies and Regulations**
The University policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs.

**Courses Inapplicable to Graduation**
Credits earned in English 0701 (formerly 0040) and 0711 (formerly 0041), Mathematics 0015 (formerly Math 0001), and Military Science are not included in the minimum number of credits required for graduation. Mathematics 0701 (formerly Math 0045/0002) may be included only when taken as an elective. Courses transferred from other institutions or taken at Temple University that do not satisfy studio, art history, or core curriculum requirements are elective and inapplicable toward degree completion. In the Architecture Program, no math course below Mathematics 1031 will be credited towards graduation.

**Honors**
Each semester, those undergraduates who have a 3.50 average (3.2 for Architecture Program) in 15 or more credit hours for the previous semester are placed on the Dean's List.

**Program Performance**
Matriculated B.F.A. students (with the exception of those seeking Teaching Certification) in the Tyler School of Art must maintain a minimum grade point average (GPA) of 2.0* or may be subject to academic action including academic warning, probation, and dismissal from the University. Higher minimum GPAs are required by the Bachelor of Architecture Program (2.5)**, the Bachelor of Arts in Art program (2.5)**, the B.F.A. with teaching certification (3.0), and the B.S. in Art Education program (3.0).

*Please contact the Academic Advisor for updates to this policy.

** Please consult the Art and Art Education department office for updates to this policy.

***Please contact the Architecture program office for updates to this policy.

**Loss or Damage**
Temple University is not responsible for loss of property of any student or other individual due to fire, theft, or other cause. The University may require residence hall students to present proof of insurance against loss by fire, theft, or other cause before assignment to any university housing.
Readmission Policy

All students who have attended Tyler School of Art of Temple University and wish to be considered for readmission to Tyler must fill out an appropriate application available through the Associate Dean's office.

For those students who have left Tyler in academic good standing and apply for readmission into a semester within three years of the last completed semester, no portfolio review or interview is required. A slide or CD-ROM portfolio is required for those B.F.A. students who have not attended Tyler for more than three years from the semester in which they intend to apply for readmission.

Students who are dismissed from Tyler must prove readiness to reenter the program by successfully completing one full-time semester (a minimum of 15 transferable credits) with a 3.0 cumulative GPA from a fully-accredited college or university. A slide or CD-ROM portfolio is also required of all B.F.A. students who were dismissed or who left Tyler on academic probation as well. It must include twenty (20) images of your studio work, ten (10) completed at Tyler, and ten (10) after leaving Tyler that demonstrate your studio progress.

Any student who attends another college or university and has taken studio art credits must send in slides or a CD that represent completed studio coursework in order to have those credits considered for transfer credit into the Tyler B.F.A. or B.A. in Art or B.S. in Art Education programs.

Academic credits will be accepted into the Tyler degree programs as determined by Temple University policy for the semester in which the student is applying for readmission.

All slide or CD-ROM portfolios for readmission to the B.F.A. must be sent to the Assistant Dean for Admissions at the Elkins Park campus, who will present them to the Transfer Committee for review. The portfolios of applicants for readmission with 35 or more total studio credit, which have been satisfactorily completed within the ten years prior to the semester for which they seek admission, will also be sent to the area chairperson or senior faculty for review. The final decision regarding readmission will depend both on the recommendation of the transfer committee as well as the review of academic credentials by the Associate Dean. Students seeking readmission or transfer studio credit into the Tyler Main Campus programs in Architecture, Art or Art Education must contact the Advising Office for information regarding portfolio review requirements.

Any student applying for readmission must be aware that Tyler will not accept studio credits from transfer or readmission applicants that are more than ten years old into the B.F.A. curriculum regardless of where those credits were completed.

Student Art Work

The School reserves the right to keep art work submitted for course credit. In practice, this privilege is exercised sparingly but, in certain studio areas, the selection of one piece by each graduating student contributes to an important instructional collection. When the student art work is reproduced in Tyler publications, either in print form or electronic form, every effort will be made to give credit to the student artist.

General College Graduation Requirements

Students in the Tyler School of Art must meet all degree requirements mandated by Temple University Core and individual departments and programs. Students are responsible for following the course requirements and department policies as listed in the Undergraduate Bulletin and in departmental handbooks, curriculum and advising publications.

Student Contact Information

Tyler Campus Students:
Academic Advisor
Tyler Hall, Room 207
7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2780
Main Campus Students:
Brigitte Knowles
Associate Dean
Engineering and Architecture Building
1947 N. 12th Street
Philadelphia, PA 19122-6077
215-204-4302
bknowles@temple.edu

Laurie Duffy
Director of Academic Services
1947 N. 12th Street
Philadelphia, PA 19122-6077
215-204-6389
lduffy@temple.edu

For other contact information, such as Financial Services, Registration, Health Services, and Academic Advising, see the Tyler Elkins Park Campus section of this Bulletin.

Bachelor of Fine Arts

7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2828
tyler@temple.edu

Tyler's curriculum is designed to give sound preparation to the future artist while at the same time avoiding narrow vocational goals. The freshman foundation program and introductory courses in each studio area develop a thorough understanding of fundamental processes and information. Advanced courses in the majors stress the development of an individual idiom and preparation for the professional world. At Tyler, art students find an atmosphere of aesthetic freedom that encourages personal experimentation and the exploration of visual concepts.

The B.F.A. with Teaching Certification program leads to certification for teaching art in kindergarten through twelfth grade. Students must complete B.F.A. requirements along with a three-year department core in Education and Art Education that begins in the sophomore year. Because of increased requirements, four years plus one summer session are usually necessary to fulfill all requirements.

Freshman Year
The Foundation Program is highly structured and intensive; it forms the base that establishes the fundamental studio practice and principles for all visual art expression. In addition to presenting traditional vocabulary, theory, media, and technique, the Foundation Program develops creative thinking and problem solving, visual thinking, and perceptual and imaginative abilities. Faculty members from all areas of the school teach the Foundation courses, assuring a broad range of experience and diverse viewpoints.

Sophomore Year
Sophomore studio electives serve as prerequisites to enter the major, of which one or two specific courses are required in each major. During the sophomore year, students are offered the opportunity to explore a wide range of studio areas. This experience gives the necessary background with which to make an informed selection of a major and adds to the overall breadth of the educational experience. Requirements are six 2000-level studio courses (18 s.h.), not to exceed three courses from any one major area and to include at least one course from three different major areas; and additional credits in Art History electives and/or University Core Curriculum.

Junior and Senior Years
The Bachelor of Fine Arts degree is completed after a final two-year concentration in a major studio area. Because expressive work is often achieved by synthesis of disparate media, a substantial amount of studio work outside the major is allowed. Requirements are eight specified 3000-4000 level major courses (24 s.h.), with a minimum grade of C- required in each course; seven studio electives which may be taken outside the major or as additional major (21 s.h.); and additional credits in Art History electives and/or University Core Curriculum.

© 2007, Temple University. All rights reserved.
B.F.A. Degree
The Bachelor of Fine Arts degree in Studio Art may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 132 semester hours of credit with a minimum cumulative GPA of 2.00.

B.F.A. Curriculum

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio courses</td>
<td>83</td>
</tr>
<tr>
<td>Art History</td>
<td>16</td>
</tr>
<tr>
<td>University Core Curriculum</td>
<td>33* (If suggested sequence is followed.)</td>
</tr>
<tr>
<td>Total</td>
<td>132</td>
</tr>
</tbody>
</table>

Suggested Four Year B.F.A. Sequence

**Freshman Year**

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Drawing</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>2-D Design Principles</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>3-D Design Principles</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Foundation Computer</td>
<td>2*</td>
<td></td>
</tr>
<tr>
<td>Art Heritage Western World 1101, 1102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Composition 1002 or 1022</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Intellectual Heritage 1196</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>18</td>
<td>16</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Electives/Prerequisites</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Intellectual Heritage 1297</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>University Core*</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>18</td>
<td>18</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Major Courses</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Studio Electives</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>University Core</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Major Course</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Studio Electives</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Art History elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

*May be taken in Fall or Spring Semester

Suggested core courses offered in Elkins Park included those that fulfill more than one core requirement. These include: SOC 1496 (AC, RS, WI); Tyler 1197: Art, Race & the American Experience (AC, RS, WI); Women’s Studies 1096 (IN, WI).

B.F.A. Degree with Teaching Certification

The Bachelor of Fine Arts degree with Teaching Certification may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 148 semester hours of credit with a minimum cumulative GPA of 3.0.

B.F.A. with Teaching Certification Curriculum

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Courses</td>
<td>74</td>
</tr>
<tr>
<td>Art History Courses</td>
<td>16</td>
</tr>
</tbody>
</table>
### University Core Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education Core</td>
<td>10</td>
</tr>
<tr>
<td>Art Education</td>
<td>16</td>
</tr>
</tbody>
</table>

### Four Year B.F.A. with Teaching Certification Sequence

#### Freshman Year

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Fall</th>
<th>Spring</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyler Found.</td>
<td>1511 and 1512</td>
<td>Foundation Drawing</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Tyler Found.</td>
<td>1521 and 1522</td>
<td>2-D Design Principles</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Tyler Found.</td>
<td>1531</td>
<td>3-D Design Principles</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Tyler Found.</td>
<td>1541/1542</td>
<td>Foundation Computer</td>
<td>2*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>1101</td>
<td>Art Heritage Western World I and</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>1102</td>
<td>Art Heritage Western World II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>Composition</td>
<td>3</td>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td></td>
<td>IA</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td></td>
<td>15</td>
<td>19</td>
<td></td>
</tr>
</tbody>
</table>

* may be taken in Fall or Spring Semester

#### Sophomore Year

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Fall</th>
<th>Spring</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Electives/Prereq.</td>
<td></td>
<td></td>
<td>9</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td></td>
<td>IB</td>
</tr>
<tr>
<td>Art Education</td>
<td>2001</td>
<td>Science and Art of Teaching (Prereq for ART ED 3002)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td></td>
<td>IN</td>
</tr>
<tr>
<td>University Core</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td></td>
<td>IA</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td></td>
<td>18</td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Fall</th>
<th>Spring</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Major Courses</td>
<td></td>
<td></td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Studio Electives</td>
<td>3002</td>
<td>Art in Elementary &amp; Secondary Education</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University Core</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td></td>
<td>16</td>
<td>19</td>
<td></td>
</tr>
</tbody>
</table>

#### Summer Session - Main or Ambler Campus

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Summer Session I</th>
<th>Summer Session II</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>1322</td>
<td>The Developing Individual Across the Life Span (Prereq for ART ED 4088)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America (Prereq for ART ED 4088)</td>
<td>3</td>
<td></td>
<td>AC, WI</td>
</tr>
<tr>
<td>University Core</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td></td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Fall</th>
<th>Spring</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Major Courses</td>
<td></td>
<td></td>
<td>9</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Studio Electives</td>
<td>3002</td>
<td>Art in Elementary &amp; Secondary Education</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4088</td>
<td>Student Teaching</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
B.F.A. Foundation Program
Studies for the B.F.A. degree at Tyler (including those who seek Art Teaching Certification K-12) begin with a common freshman experience, the Foundation Year. During this year, students are enrolled in studio courses in Drawing, 2-D and 3-D Principles, and Foundation Computer. The Foundation Department is highly structured and intensive. It forms the fundamental basis for studio practice, critical thinking, and the understanding and implementation of principles of visual expression. The program emphasizes creative and critical thinking, problem solving, visual thinking, perception and observation through the use of visual vocabulary, theory, media, and techniques of artistic practice. The Foundation Faculty is comprised of artists from all the fields represented in the School's majors, providing freshmen with a broad perspective and diverse points of view from which to build their experience as artists.

B.F.A. Foundation Year

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Fall</th>
<th>Spring</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation</td>
<td>1511/1512</td>
<td>Foundation Drawing</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Foundation</td>
<td>1521/1522</td>
<td>2D Foundation Principles</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Foundation</td>
<td>1531</td>
<td>3D Foundation Principles</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foundation</td>
<td>1532</td>
<td>3D Foundation Principles</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Foundation</td>
<td>1541/1542</td>
<td>Foundation Computer and Lab</td>
<td>2*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>1101</td>
<td>Art Heritage Western World I</td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>1102</td>
<td>Art Heritage Western World II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>Composition</td>
<td>3</td>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage</td>
<td>3</td>
<td></td>
<td>IA</td>
</tr>
</tbody>
</table>

*May be taken in Fall or Spring Semester

Crafts
Nicholas Kripal, M.F.A.
Penrose Hall, Room 305
215-782-2868
nkripal@temple.edu

The Crafts Department encompasses the media disciplines of Ceramics/Glass, Fibers, and Metals/Jewelry/CAD-CAM. These disciplines are rooted in a rich history, developed and refined within a contemporary context, and practiced and experienced through a series of formal presentations and evaluations. The Crafts Department faculty endeavor to refine and interpret Crafts traditions, techniques, and concepts while also pursuing the frontiers of their disciplines through their studio practice.

Students are challenged to explore the broad cultural and historical contexts in which their disciplines are made, exhibited, and experienced. They are encouraged to pursue their individual visions with an attitude of curiosity and imagination. The end goal of the curriculum is the education of a Crafts artist who will be creatively active throughout their lives, contributing to the enrichment of not only the communities in which they live and work, but the world community as well. Upon graduation, students go on to careers in art education, design, the arena of not-for-profit and commercial galleries, and the professional practice of a studio artist. Many students go on to graduate school in order to receive further training and research for their eventual professional careers.

Ceramics/Glass
Nicholas Kripal, Area Head, Ceramics
Elkins Hall, Room 004
215-782-2790
nkripal@temple.edu

Jon Clark, Area Head, Glass
In the Ceramics area, equipment is available for wheel work, mold making, and slip casting projects, as well as large kilns for hand building and sculpture. Processes include: wood firing, raku, salt glazing, stoneware, and porcelain. The glass curriculum incorporates glass blowing, casting, fusing, and kiln work.

**Major Requirements for B.F.A. in Ceramics**

### SOPHOMORE PREREQUISITES:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2151</td>
<td>Beginning Ceramics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>2161</td>
<td>Intermediate Ceramics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### JUNIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>3162</td>
<td>Advanced Ceramics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two additional specialized Ceramics courses</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

### SENIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>4162</td>
<td>Advanced Ceramics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two additional specialized Ceramics courses</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Major Requirements for B.F.A. in Glass**

### SOPHOMORE REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2258</td>
<td>Introduction to Glass</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### JUNIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>3243</td>
<td>Advanced Glass, Topic: Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3244</td>
<td>Advanced Glass, Topic: Visiting Artist Series</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

At least two of the following courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>3237</td>
<td>Glass Construction, Topic: Kiln Working</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3238</td>
<td>Glass Construction, Topic: Cold Glass</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3231</td>
<td>Hot Glass, Topic: Blowing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3242</td>
<td>Hot Glass, Topic: Casting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### SENIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>4252</td>
<td>Advanced Glass, Topic: Seminar</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
At least two of the following courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>4237</td>
<td>Glass Construction, Topic: Kiln Working or Glass Construction, Topic: Cold Glass</td>
<td>3</td>
</tr>
<tr>
<td>Crafts</td>
<td>4241</td>
<td>Hot Glass, Topic: Blowing or Hot Glass, Topic: Casting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Foundation Department**

Sharyn O'Mara, Chairperson  
Tyler Hall, Room 205  
215-782-2894  
sharyn.omara@temple.edu

Studies for the B.F.A. degree at Tyler begin with a common freshman experience, the Foundation Year. During this year, students are enrolled in studio courses in Drawing, 2-D and 3-D Principles, and Foundation Computer. The Foundation Program is highly structured and intensive. It forms the fundamental basis for studio practice, critical thinking, and the understanding and implementation of principles of visual art expression. The program emphasizes creative and critical thinking, problem solving, visual thinking, perception and observation, as well as presents traditional vocabulary, theory, media, and techniques of artistic practice. The Foundation Faculty is comprised of faculty from all major areas in the School, providing freshmen with a broad perspective and diverse points of view from which to build their experience as artists.

For curriculum, please see the [Freshman year](#) sequence on the B.F.A. Degree and B.F.A. with Teaching Certification page.

**Fibers**

Rebecca Medel, Area Head  
Presidents Hall, Room 004  
215-782-2728  
rmedel@temple.edu

The Fibers major includes equipment and classes in weaving, off-loom structures, fabric dyeing and surface processes, screen printing on fabric, digital printing, and the use of alternative materials. Once students acquire an understanding and proficiency of techniques and media, the program promotes experimentation and development of a personal direction.

**Major Requirements for B.F.A. in Fibers**

**SOPHOMORE PREREQUISITE:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2305</td>
<td>Fabric Pattern &amp; Image I</td>
<td>3</td>
</tr>
<tr>
<td>Crafts</td>
<td>2317</td>
<td>Off Loom Structure I</td>
<td>3</td>
</tr>
</tbody>
</table>

**JUNIOR AND SENIOR REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2318</td>
<td>Woven Structure I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3312</td>
<td>Alternative Materials</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3314</td>
<td>Digital Printing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3317</td>
<td>Off Loom Structures II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3318</td>
<td>Woven Structure II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3371</td>
<td>Silkscreen on Fabric I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3385</td>
<td>Field Internship in Fibers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4305</td>
<td>Fabric Pattern &amp; Image II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4317</td>
<td>Off Loom Structure III</td>
<td>3</td>
</tr>
</tbody>
</table>
Metals/Jewelry/CAD-CAM
Stanley Lechtzin, Area Head
Elkins Hall, Room 101
215-782-2863
stanlech@temple.edu

This program stresses the use of traditional techniques and materials in relation to their historical significance while encouraging the use of new technologies in the advanced courses. The assignments are focused on the design and creation of jewelry, functional forms, tableware, furniture, lighting, toys, and product design, to name a few. Along with teaching studio practices centered around the utilization of metal, plastics, and composite materials, the curriculum integrates the technologies of digital practices as they relate to three dimensional form realization, and include computer-aided-design, computer-aided manufacture and 3D printing technologies.

Major requirements for B.F.A. in Metals/Jewelry/CAD-CAM

SOPHOMORE PREREQUISITE:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2453 or 2454</td>
<td>Jewelry</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

JUNIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>2433</td>
<td>CAD-CAM I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3465</td>
<td>Junior Metalsmithing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>3466</td>
<td>Junior Metalsmithing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One specialized Metals course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

SENIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crafts</td>
<td>3434</td>
<td>CAD-CAM II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>4463</td>
<td>Senior Metals and Plastics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One specialized Metals course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Graphic Arts and Design

Stephanie Knopp, Department Chairperson
Penrose Hall, Room 302
215-782-2869
stephanie.knopp@temple.edu

The Graphic Arts and Design Department encompasses three distinct areas of study -- Graphic and Interactive Design, Photography, and Printmaking. Our mission is to prepare students for the challenges of each discipline and to help them maximize their potential as artists.

The Graphic Arts and Design faculty is made up of practicing artists and designers who are professionally active and able to teach the fundamental principles of their disciplines while keeping abreast of innovations in their fields. During the two-year program of course work in the major, conceptual thinking aimed at the development of the student's personal artistic vision is stressed; at the same time, technical skills using appropriate tools and techniques to solve creative problems are
developed. Our majors are encouraged to integrate each discipline’s traditional image-making techniques with rapidly-evolving 21st-century digital technologies. Upon graduation, our students are prepared to enter their respective fields as professionals and to continue their growth as artists.

**Graphic and Interactive Design**
Alice Drueding, Area Head  
Penrose Hall, Room 302  
215-782-2869  
drueding@temple.edu

**Graphic and Interactive Design** is visual communication that uses creative combinations of ideas, art, and technology to inform and influence specific audiences. Course offerings include assignments in corporate identity, packaging, publishing, poster design, advertising, signage, environmental design, illustration, and design for the Web and CD-ROM.

**Major Requirements for B.F.A. in Graphic and Interactive Design**

**SOPHOMORE REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>2001</td>
<td>Graphic Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>2021</td>
<td>Computers for Design</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Note 1: A final grade of B-minus or better is required in Graphic Design 2001 in order to continue in the major at the junior level.

Note 2: Graphic and Interactive Design majors who plan to go to Rome should do so in the second semester of their sophomore year if they plan to graduate in four years. These students should see the Area Head for advising before going to Rome.

**JUNIOR REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>3001</td>
<td>Advanced Graphic Design (Fall)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3002</td>
<td>Advanced Graphic Design (Spring)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3011</td>
<td>Typography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3021</td>
<td>Intermediate Computer Graphics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Electives strongly recommended:

GAD  
3013 or 3015  
3023 or 3025  
3031 or 3033  
3041  
Advanced Typography  
Interactive Design  
Illustration  
Advertising Design (Spring)  

3  
3  
3  
3

Note 1: In the junior year Advanced Graphic Design must be taken in sequence (3001 in Fall/3002 in Spring).

Note 2: The prerequisites for Senior level design courses are the four required courses at the junior level: GAD Advanced Graphic Design 3001 (Fall), GAD Advanced Graphic Design 3002 (Spring), GAD Typography 3011 (Fall or Spring), GAD Intermediate Computer Graphics 3021 (Fall or Spring). Interactive Design 3023 or 3025 is also required for students taking GAD Senior Interactive 4007.

Note 3: Students who plan to have an interactive portfolio only should take Interactive Design 3023 or 3025 in the junior year. Intermediate Computer Graphics 3021 is the prerequisite for this course.

**SENIOR REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>4196</td>
<td>Senior Portfolio (Spring only)</td>
<td>3</td>
<td>WI*</td>
</tr>
</tbody>
</table>

Select three specialized courses in **Senior Graphic Design** from the following:

GAD  
3041  
Advertising Design  
3

© 2007, Temple University. All rights reserved.
Note: Senior Portfolio 4196 fulfills the writing intensive requirement in the major.

*Indicates Writing Capstone

Photography
Martha Madigan, Area Head
Elkins Hall, Room 102
215-782-2785
mmadigan@temple.edu

In addition to traditional black and white and color photography, Tyler's Photography Area will introduce you to various other creative approaches to the medium. Some of these include digital imaging techniques, large-format professional digital printing in black and white and color, handmade cameras, large format photography, historical alternative processes, critical theory, and career options for artists who wish to enter the field of photography. The emphasis in the Photography Major is the development of personal vision for the artist.

Major Requirements for B.F.A. in Photography

SOPHOMORE PREREQUISITE:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>2441 or 2451</td>
<td>Photography I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>2461</td>
<td>Digital Imaging (prereq for Digital Photography)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

JUNIOR AND SENIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>3412</td>
<td>Photography II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3411</td>
<td>Digital Photography (prereq: Digital Imaging)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3441</td>
<td>Advanced Photo Workshop (fall or spring)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3431</td>
<td>Color Photography I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3402</td>
<td>View Camera</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3461</td>
<td>Photo Process Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>4441</td>
<td>Senior Photography (Fall)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>4451</td>
<td>Senior Photography (Spring)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3432</td>
<td>Color Photography II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3471</td>
<td>Photo Process Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3421</td>
<td>Digital Projects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3422</td>
<td>Contemporary Practices in Photography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3185</td>
<td>Field Internship in Photography</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Printmaking
Dan Dallmann: Area Head
Penrose Hall, Room 203
The Printmaking Area is housed in large, fully-equipped modern studios where you first learn the fundamentals of the three printmaking disciplines (silkscreen, lithography, and etching) before exploring at least two of these disciplines in depth. After students master the basic technical aspects of printmaking, the faculty encourages the exploration of advanced subjects that include color and photo-etching, photo-lithography, metal engraving, mezzotint, viscosity color printing, woodcut, and the full utilization of the computer as an image-creating tool.

Major Requirements for B.F.A. in Printmaking

SOPHOMORE PREREQUISITE:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>2701</td>
<td>Survey of Printmaking Techniques</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

JUNIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>2711</td>
<td>Serigraphy (Prereq for Adv. Serigraphy)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>2731 or 2741</td>
<td>Etching (Prereq for Adv. Etching)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>2751 or 2761</td>
<td>Lithography (Prereq for Adv. Litho)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3896</td>
<td>Art Career Workshop</td>
<td>3</td>
<td>WI*</td>
</tr>
</tbody>
</table>

*Indicates Writing Capstone

SENIOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>3731</td>
<td>Advanced Etching</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3751</td>
<td>Advanced Lithography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3711</td>
<td>Advanced Serigraphy</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Two or more advanced courses chosen from the following:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAD</td>
<td>3841</td>
<td>Color Print Workshop (Intermedia)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3831</td>
<td>Relief &amp; Monoprint Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>3811</td>
<td>Printmaking Workshop (Intermedia)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GAD</td>
<td>4911</td>
<td>Senior Project Workshop</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

One or more specialized course in Printmaking from the following:

Painting/Drawing/Sculpture

Margo Margolis, Department Chair
Penrose Hall, Room 303
215-782-2870
margom@temple.edu

The Painting, Drawing, and Sculpture Department emphasizes artmaking as an ongoing discipline rooted in rich history. We provide our students with a rigorous experience of the disciplines of drawing, painting, and sculpture. This experience ranges through the aesthetic, the technical, and the well-formed idea. We are committed to providing our students with the understanding of the broad cultural and historical context in which art is made and experienced.

The Painting, Drawing, and Sculpture Department has a weekly schedule of visiting lectures. Our lectures include practicing studio artists, museum curators, and critics, all of national standing. Special effort is made to put the visiting artist in contact with our graduate students.

© 2007, Temple University. All rights reserved.
Tyler's Painting and Drawing program provides the skills and concepts essential to artistic growth. The faculty has designed studio and seminar courses that foster the development of pictorial concepts realized in the tangible form of painting and drawing.

The course offerings range from Figure Drawing to Senior Painting Studio, a capstone course for Painting majors. Advanced level courses offer a range of technical, topic, and theory based exposures to contemporary approaches to painting. The faculty advises each student to participate in a variety of studio experiences to facilitate the integration of technique with personal vision.

**Major Requirements for B.F.A. in Painting**

**SOPHOMORE REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Painting Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>2011 or 2111</td>
<td>Painting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drawing Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>2311, 2321 or 2331</td>
<td>Intermediate Drawing</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Note: Digital Drawing 2341 or 3341 may be substituted for Intermediate Drawing 2311, 2321, or 2331.

Note: Painting Materials & Techniques 2051 is suggested, but not required, for those interested in becoming a Painting major.

Note: Art Matters 2511 is strongly recommended to students interested in Painting as a major.

**JUNIOR AND SENIOR REQUIREMENTS:**

Eight courses totaling 24 credit hours. These courses must satisfy the following grade level requirements. Two Painting courses must be taken at the 3000-level, and two Painting courses must be taken at the 4000-level. Two Drawing courses must be taken at the 3000-level, and two Drawing courses must be taken at the 4000-level.

Any Painting or Drawing courses taken in excess of the required eight courses will count as studio electives. This is a common practice encouraged by the Painting Faculty.

<table>
<thead>
<tr>
<th>Painting Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>2051</td>
<td>Painting Materials &amp; Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3021 or 4021</td>
<td>Landscape</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3041, 3141 or 4041</td>
<td>Color</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3031 or 4031</td>
<td>Figure Painting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3596</td>
<td>PDS Seminar (for Painting credit)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>PDS</td>
<td>3011, 3111, 4011, 4111</td>
<td>Advanced Painting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>4072 and 4172</td>
<td>Senior Painting Studio (see note #1, 2 &amp; 3)</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Note 1: 4072 and 4172 is Jury-selected by the faculty and must have faculty approval.

Note 2: 4072 and 4172 is a six-credit course that counts as two courses. The course is team-taught by two faculty members and meets four times a week.
Note 3: 4072 and 4172 may be taken for Painting and/or Drawing Credit.

### Capstone Course

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>3596</td>
<td>PDS Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

### Drawing Department Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>3451</td>
<td>Interactive Projects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3431, 3441, 4431 or 4441</td>
<td>Figure Drawing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3411, 3421 or 4411</td>
<td>Advanced Drawing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3596</td>
<td>PDS Seminar (for Drawing credit)</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Note: The faculty strongly recommends PDS Seminar, 3596, as one of the eight courses. This seminar course may be counted as either a Drawing or Painting course. PDS Seminar fulfills the writing intensive requirement in the major.

Note: Any of the Painting or Drawing courses may be taken in excess of the required eight courses. Additional Painting and Drawing courses will count as studio electives. This is a common practice encouraged by the Painting Faculty.

---

### Sculpture

Winifred Lutz, Area Head
Elkins Hall, Room 007
215-782-2809
wlutz@temple.edu

The Sculpture Program provides the skills and concepts essential to creative growth. Courses are designed to integrate the development of technical skills with critical discourse and theory, and knowledge of contemporary sculpture. Students are encouraged to explore a broad range of sculptural strategies through studio courses including installation, sound, video, robotics, public art, and wood and metal fabrication. All courses provide intensive studio experience and intense critical dialogue combined with exhibition opportunities and field trips. All majors are provided with studios in the sculpture shop starting in the junior year. The sculpture area includes a metal shop, wood shop, plaster and mold making facilities, a small sound studio and individual studios for undergraduate majors and for graduate sculpture students.

### Major Requirements for B.F.A. in Sculpture

**SOPHOMORE PREREQUISITE:**

Students are encouraged to take Installation or Mold Making in the second semester of the sophomore year after Sophomore Sculpture.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>2611 or 2621</td>
<td>Sculpture</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Note: A "B" grade or above is required in Sophomore Sculpture in order to enter the major.

**JUNIOR AND SENIOR REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS</td>
<td>3611, 3621</td>
<td>Advanced Sculpture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3612, 3622</td>
<td>Advanced Sculpture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3611, 3621</td>
<td>Advanced Sculpture, Special Topics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>3612, 3622</td>
<td>Advanced Sculpture, Special Topics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PDS</td>
<td>4611</td>
<td>Senior Sculpture</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Note: "Special Topics" include: Sound, Performance, Metal Fabrication, and Robotics. These vary from semester to semester. More than the two required Advanced Sculpture courses are recommended in order to intensify creative development of sculptural practice.

Three Specialized Courses in Sculpture from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS 2632, 3631</td>
<td>Installation</td>
<td>3</td>
</tr>
<tr>
<td>PDS 3731</td>
<td>Sculpture Techniques &amp; Materials</td>
<td>3</td>
</tr>
<tr>
<td>PDS 2641 or 3641</td>
<td>Mold Making Technology</td>
<td>3</td>
</tr>
<tr>
<td>PDS 2631</td>
<td>Figure Modeling</td>
<td>3</td>
</tr>
<tr>
<td>PDS 3721</td>
<td>Public Art Projects</td>
<td>3</td>
</tr>
<tr>
<td>PDS 4585</td>
<td>Field Internship</td>
<td>3</td>
</tr>
<tr>
<td>PDS 4582</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: It is possible to do Field Internships with alternative arts organizations and art fabrication companies in the Philadelphia area.

Two advanced-level courses in drawing from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS 3411, 3421, 4411</td>
<td>Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>PDS 3431, 3441, 4431, 4441</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>PDS 3341</td>
<td>Digital Drawing</td>
<td>3</td>
</tr>
<tr>
<td>PDS 2521</td>
<td>Video Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

Students can select studio elective courses from anywhere in the Temple system. However the faculty encourages taking sculpture courses in excess of the required. These additional courses can count as studio electives.

Capstone recommendation
(students are advised to take the capstone in their Junior Year)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS 3596</td>
<td>PDS Seminar (for Sculpture credit)</td>
<td>3</td>
</tr>
</tbody>
</table>

Architecture

Lindsay Bremner, Chair
Engineering & Architecture Building, Room 909
1947 North 12th Street
215-204-9414
archinfo@temple.edu
www.temple.edu/architecture

About the Architecture Department

The Architecture Department is essentially urban in character. The program treats the city itself as a primary laboratory of study for the student. The wide variety of neighborhoods, public buildings, and major urban design projects in Philadelphia serve as examples for evaluation and study. The Program offers the National Architectural Accrediting Board (NAAB) accredited Bachelor of Architecture degree (five-year) and the Bachelor of Science in Architecture degree (four-year). The Architecture curricula share a common two-year Basic Studies Program. Upon successful completion of this preparatory program, students may either continue in the Bachelor of Science in Architecture curriculum or apply for acceptance into the Professional Bachelor of Architecture degree program. Admission to the Bachelor of Architecture Program is competitive and requires a minimum GPA of 2.75 and excellent portfolio. Completion of minimum entrance requirements does not guarantee admission.

The five-year Bachelor of Architecture (B.Arch.) professional degree program prepares students for the practice of architecture in entry-level positions and is part of an intern development program that leads to professional registration. This curriculum is designed to enable students to learn theories and methodologies of architectural design as well as to understand the social, economic, political, and technological forces that shape the built environment. The principal educational component of the Program is a coordinated series of studio courses in which creative design talents and management skills are developed. Holders of this degree may, upon completion of postgraduate work experience, be admitted to the architectural licensing examinations offered in each state, through which they may become registered architects. Bachelor of Architecture majors have the opportunity of a semester in Temple Rome in either their third or fourth year. A similar program in Temple Japan is under development.
The four-year Bachelor of Science in Architecture (B.S. in Architecture) degree is designed to develop a strong base in architectural technology and practice upon which students may develop additional areas of special competence. Graduates are qualified for a variety of positions in architecture and related fields for which a professional degree and registration are not requirements for advancement. Additionally, students may utilize this degree toward the goal of architectural education at the graduate level.

According to the NAAB, in the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The NAAB, which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Students must satisfy all University Core requirements in addition to major requirements.

**Architecture Basic Studies Courses (Year 1 & 2)**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH</td>
<td>1001</td>
<td>Introduction to Design &amp; the Environment</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>ARCH</td>
<td>1011</td>
<td>Design Foundation I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>1031</td>
<td>Design Fundamentals I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>1012</td>
<td>Design Foundation II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>1032</td>
<td>Design Fundamentals II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>2131</td>
<td>Architectural Design I</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>2132</td>
<td>Architectural Design II</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>2141</td>
<td>Architectural History: Ancient through Early Renaissance</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>ARCH</td>
<td>2142</td>
<td>Architectural History: Late Renaissance through 20th Century</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>ARCH</td>
<td>2151</td>
<td>Architecture, Technology, &amp; the Environment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>2152</td>
<td>Architectural Materials &amp; Methods of Construction</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses Also Satisfying University Core**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>1031</td>
<td>Differential &amp; Integral Calculus</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Physics</td>
<td>1021</td>
<td>Introduction to General Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1022</td>
<td>Introduction to General Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
</tbody>
</table>

After completion of Architecture Basic Studies, students will follow either the Bachelor of Science in Architecture Curriculum or the Bachelor of Architecture curriculum. (Separate application is required for Bachelor of Architecture.)

**Bachelor of Science in Architecture (Year 3 & 4)**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH</td>
<td>3174</td>
<td>Site Investigations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3243</td>
<td>Movements in Modern Architecture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3251</td>
<td>Structural Analysis for Architects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3252</td>
<td>Structural Design for Architects I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4253</td>
<td>Structural Design for Architects II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4351</td>
<td>Environmental Control Systems for Buildings</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4096</td>
<td>Professional Practice</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>ARCH</td>
<td></td>
<td>Required electives from remaining Architecture Program Courses and approved courses from associated disciplines</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td></td>
<td>University Free Electives</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Bachelor of Architecture (Year 3, 4, 5)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH</td>
<td>3174</td>
<td>Site Investigations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3251</td>
<td>Structural Analysis for Architects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3252</td>
<td>Structural Design for Architects I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4253</td>
<td>Structural Design for Architects II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3243</td>
<td>Movements in Modern Architecture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3231</td>
<td>Architectural Design III</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>3232</td>
<td>Architectural Design IV</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4331</td>
<td>Architectural Design V</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4332</td>
<td>Architectural Design VI</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4351</td>
<td>Environmental Control Systems for Buildings</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4096</td>
<td>Professional Practice</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>ARCH</td>
<td>4596</td>
<td>Architectural Seminar I</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>ARCH</td>
<td>4431</td>
<td>Advanced Architectural Design</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4699</td>
<td>Architectural Thesis</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4671</td>
<td>Thesis Program Prep</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4691</td>
<td>Thesis Advising I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td>4791</td>
<td>Thesis Advising II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td></td>
<td>Required electives from remaining Architecture Program Courses</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARCH</td>
<td></td>
<td>University Free Electives</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates Writing Capstone

A total of 125 s.h. is required for completion of the Bachelor of Science in Architecture; 157 s.h. is required for completion of the Bachelor of Architecture degree.

Following a student’s matriculation into the Architecture Program, transfer credits for architecture courses are accepted only from accredited architectural programs in four-year institutions. Students must receive permission in advance to take courses at other institutions. All University policies governing this process will be enforced.

Art and Art Education

Jo-Anna J. Moore, Ed.D., Chair
Marilyn Holsing, M.A., Undergraduate Contact, Professor of Art, Undergraduate Advisor
Anderson Hall, Room 311
215-204-7191
jmoore06@temple.edu
mholsing@temple.edu
artedart@temple.edu

The Art and Art Education Department (AAE), located at Temple University, Main Campus, offers the Bachelor of Arts in Art degree with three different concentrations: the B.A. in Art, Studio Concentration; the B.A. in Art, Digital Media Concentration; and the B.A. in Art, Visual Studies Concentration. Our studio courses offer the chance to study art within a liberal arts context, basing course content and pedagogical approach on a view of studio experience as part of education in a broad sense rather than primarily as training for a profession. We offer the Bachelor of Science in Art Education, an accredited program leading to Pennsylvania Certification in Art, K-12. Newly-expanded offerings in the Community Arts have developed courses with outreach to the Philadelphia community. Graduates from our Art programs have gone on to graduate study, field work in art galleries, studios, and a wide variety of art-related occupations. We have a 92% placement rate for Art Education in K-12 schools and also in community sites.
Bachelor of Arts in Art

(Studio, Digital Media, or Visual Studies Concentration)

The Bachelor of Arts in Art with a Studio concentration offers students a strong focus in visual art practice within a liberal arts context. The curriculum is devised to offer students a rich range of choices in other academic disciplines to augment their studio studies. The faculty approaches the teaching of studio art from the viewpoint of its connection to a wide sphere of interests, such as psychology, literature, philosophy, mathematics, biology, and physics. Students graduating with this major are well prepared to pursue graduate studies in the fine arts, work as professional artists, or work in galleries or museums.

The Bachelor of Arts in Art with a Digital Media concentration enables students to focus on the use of computer technologies as offered in courses throughout the University, including those in the programs of Art, Architecture, Film and Media Arts, Music, Theater, Dance, etc. This wide range of courses fosters the development of an interdisciplinary approach to image-making that considers both the aesthetic and technical sides of this genre.

The Bachelor of Arts in Art with a Visual Studies concentration enables students to organize multiple approaches to visual thinking that cut across various disciplines into a logical whole. Students will analyze visual communication from a variety of aesthetic, theoretical, scientific, sociological, and historical viewpoints. Analysis will include the consideration of the medium, its impact on the image and message, and its social and cultural context. While the majority of their course work is in academic disciplines, students will take studio courses in part because the making of images is closely aligned to their analysis. This major provides a sound basis for pursuing graduate study in art history, art theory and criticism, or visual anthropology.

Bachelor of Arts candidates must complete the University Core requirements with the following: For the Core Language or International Studies requirement, candidates for the B.A. degree are required to complete both an International Studies and a Language requirement; or complete the third semester of a language and one international studies course; or complete the second semester of a language and two international studies courses, at least one of which must be "Third World/Non-Western."

Students must complete at least 15 semester hours in upper-level Liberal Arts courses. Courses taken in the major count toward the requirement.

The Bachelor of Arts degree for all concentrations may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 123 semester hours of credit with a minimum cumulative GPA of 2.50.

To receive transfer credit for studio credits taken at other institutions, a student must present a portfolio for each course. An evaluation will determine whether equivalent, elective, or no credit is to be awarded. Transfer portfolio evaluations take place twice each semester but not in the summer semesters. The department will accept a maximum of 24 semester hours of transfer studio credits toward the major.

Bachelor of Arts in Art Major Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1501</td>
<td>Intro to Visual Language: Design</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1401</td>
<td>Intro to Visual Language: Drawing</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1101</td>
<td>Intro to Visual Language: Painting</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1201</td>
<td>Intro to Visual Language: 3-D Design</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>4796</td>
<td>Art Seminar</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Art History</td>
<td>1155</td>
<td>Art Heritage of the Western World I</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1156</td>
<td>Art Heritage of the Western World II</td>
<td>3</td>
<td>AR</td>
</tr>
</tbody>
</table>

Select one from the following list:  

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td></td>
<td>Elective</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1061</td>
<td>2000 or above Art and Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3324</td>
<td>Anthropology and Art</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For students starting the program in September of 2005
A course chosen here cannot be used as part of upper-level CLA requirements

Students must also satisfy all requirements of one of the following three concentrations:

**Studio Concentration Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>2111</td>
<td>Aqueous Media</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>2402</td>
<td>Drawing II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>2102</td>
<td>Painting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>Two Art History Electives (except 1001)</td>
<td>8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select two from the following list: 6

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1301, 2311, 2302, 2312, 3321</td>
<td>Printmaking</td>
</tr>
<tr>
<td>Art</td>
<td>1801, 2802</td>
<td>Photography</td>
</tr>
<tr>
<td>Art</td>
<td>1811, 2812</td>
<td>Digital Photography</td>
</tr>
<tr>
<td>Art</td>
<td>1601, 2602</td>
<td>Computer Imaging</td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td>Five Studio Electives</td>
</tr>
<tr>
<td>CLA</td>
<td></td>
<td>Five upper-level CLA courses, one must be in Social Science. Upper-level Art History courses can be counted.</td>
</tr>
</tbody>
</table>

**Digital Media Concentration Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td></td>
<td>Two Non-Digital Studio Electives</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following list: 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1301, 2311, 2302, 2312</td>
<td>Printmaking</td>
</tr>
<tr>
<td>Art</td>
<td>1801, 2802</td>
<td>Photography</td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td>Five Digital Studio Electives</td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td>Two Additional Studio Electives, digital or non-digital.</td>
</tr>
<tr>
<td>CLA</td>
<td></td>
<td>Five upper-level CLA courses, one must be in Social Science. Upper-level Art History courses can be counted here.</td>
</tr>
</tbody>
</table>

**Visual Studies Concentration Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
| Select one from the following list: 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1301, 2311</td>
<td>Printmaking</td>
</tr>
<tr>
<td>Art</td>
<td>1801, 2802</td>
<td>Photography</td>
</tr>
<tr>
<td>Art</td>
<td>1811, 2812</td>
<td>Digital Photography</td>
</tr>
<tr>
<td>Art</td>
<td>1601, 2602</td>
<td>Computer Imaging</td>
</tr>
</tbody>
</table>

Select four from the following list: 12

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>3324</td>
<td>Anthropology and Art</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1061, 2131</td>
<td>Art and Society, Introduction to Aesthetics</td>
</tr>
<tr>
<td>History</td>
<td>1011</td>
<td>Modern U.S. History Through Film</td>
</tr>
</tbody>
</table>
Art Minor Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1501</td>
<td>Intro to Visual Language: Design</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1401</td>
<td>Intro to Visual Language: Drawing</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1101</td>
<td>Intro to Visual Language: Painting</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1155</td>
<td>Art Heritage of the Western World I</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1301</td>
<td>Relief Printmaking</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>2311</td>
<td>Lithography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>1801</td>
<td>Basic Photography B/W I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following list:

| Art        | 1301    | Relief Printmaking                   | 3     | AR  |
|           | 2311    | Lithography                           |       |     |
|           | 1801    | Basic Photography B/W I              |       |     |

Note: The department will accept a maximum of 9 s.h. of transfer studio credits towards the minor. A portfolio of work must be submitted for review by Department faculty.

Bachelor of Science in Art Education

Jo-Anna J. Moore, Chairperson
Anderson Hall, Room 311
215-204-7181
artedart@temple.edu

The Art Education program ensures a fully-rounded preparation for the elementary and secondary school teacher. This program provides content study for art teacher preparation and teacher certification to teach art in kindergarten through twelfth grade. The requirements for the degree are 128 total credits. 42 credits are in studio art, 9 credits in Art History, 20 credits in Art Education, 18 credits in Education, and 39 to 45 credits in the University Core Curriculum. The department will accept a maximum of 24 semester hours of transfer studio credits toward the major. The Bachelor of Science degree in Art Education may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 128 semester hours of credit with a minimum cumulative GPA of 3.0.

Major Requirements for the B.S. in Art Education

Students must also satisfy all University Core requirements. A minimum of 128 hours is required for the degree.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>1501</td>
<td>Intro to Visual Language: Design</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1401/1496</td>
<td>Intro to Visual Language: Drawing</td>
<td>3</td>
<td>AR/WI</td>
</tr>
<tr>
<td>Art</td>
<td>1101</td>
<td>Intro to Visual Language: Painting</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>1201</td>
<td>Intro to Visual Language: 3-D Design</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art</td>
<td>2102</td>
<td>Painting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>1301</td>
<td>Relief Printmaking I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Art</td>
<td>2311</td>
<td>Lithography I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>2402</td>
<td>Drawing II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>2111</td>
<td>Aqueous Media</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Crafts</td>
<td>2151</td>
<td>Beginning Ceramics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>4796</td>
<td>Art Seminar (offered only in the Fall)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Art History</td>
<td>1155</td>
<td>Art Heritage of the Western World I</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1156</td>
<td>Art Heritage of the Western World II</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Art History Elective (not Art History 1001)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td>Studio Art Electives from University Art Department (four courses)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Required Courses Also Satisfying University Core

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>History</td>
<td>1101</td>
<td>History of US 1600-1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td></td>
<td>1102</td>
<td>History of US 1877-Present</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Liberal Arts Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td></td>
<td>Any University literature course.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>(See Department Advisor for pre-approval.)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art Education</td>
<td>2001</td>
<td>Science &amp; Art of Teaching (Only offered in Spring) (Prerequisites: English 1002 &amp; Psych 1061.) (B-)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>3002</td>
<td>Art in Elementary &amp; Secondary Education (Prerequisites: Speech Screening, PPST tests, ART ED 2001. Application must be submitted during pre-registration the semester prior to taking the course.)(B-)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>4088</td>
<td>Student Teaching is now five full days per week. (Prerequisites: All EDUC and ART ED courses must be completed. Application must be submitted during pre-registration the semester prior to taking the course.) (C)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>1196</td>
<td>Education &amp; Schooling in America (C)</td>
<td>3</td>
<td>AC/WI</td>
</tr>
<tr>
<td>EDUC</td>
<td>1322</td>
<td>The Developing Individual Across the Lifespan (C+)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC</td>
<td>1255</td>
<td>Inclusive Education For a Diverse Society (C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC</td>
<td>2205</td>
<td>Curriculum, Instruction and Technology in Education (C+)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC</td>
<td>2306</td>
<td>Assessment and Evaluation (C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC</td>
<td>2255</td>
<td>Effective Use of Instructional Technology in Classrooms (Prerequisite: Skills Test) (C+)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Note: Grades in parentheses indicate minimum grade necessary to count towards degree requirements.

### Art History Department

Gerald Silk, Department Chair
gerald.silk@temple.edu

© 2007, Temple University. All rights reserved.
Abraham Davidson, Undergraduate Advisor
Ritter Annex, Room 857
215-204-7837
abraham.davidson@temple.edu
arthisto@temple.edu

The Department of Art History offers broad-ranging introductory surveys of art, from prehistoric times to the present, and more closely focused courses, treating limited segments of the vast historic panorama in both western and non-western art. Approximately sixty courses are offered over the span of a four-year period. Students majoring in art history should graduate with a thorough knowledge of the art historical traditions of each major period from ancient through postmodern art.

Students majoring in art history, especially those pursuing the advanced degree, should be qualified to teach at all levels of lower and higher education. They can also obtain jobs as museum curators, gallery directors, corporate art employees, researchers, and work in a variety of capacities for cultural associations.

The Graduate Student Art History Association sponsors lectures and exhibition visits throughout the year.

**Bachelor of Arts in Art History Degree Stipulations**

A minimum of 123 credits is required for the degree. Students must satisfy all University Core requirements in addition to the required major courses. Art History majors must satisfy both the International Studies and Foreign Language portions of the University Core. A minimum of 45 semester hours in CLA upper-level courses must be completed. A minimum GPA of 2.0 is required at graduation.

**Required Major Courses: Introductory**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>1001</td>
<td>Visual Experience</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1801</td>
<td>Arts of Asia</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1155, 1955</td>
<td>Art Heritage Western World I</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Art History</td>
<td>1156, 1956</td>
<td>Art Heritage Western World II</td>
<td>3</td>
<td>AR</td>
</tr>
</tbody>
</table>

**Upper-Level Requirements for the Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td></td>
<td>Ancient:</td>
<td>2103</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Medieval:</td>
<td>2215</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Renaissance:</td>
<td>2323</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Baroque:</td>
<td>2329</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>19th Century:</td>
<td>2535</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>20th Century:</td>
<td>2008</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Non-Western:</td>
<td>2807</td>
<td></td>
</tr>
</tbody>
</table>

Note: Courses listed in more than one field may only count for one field. If a course is a 2100/2200/2300/2990 “topics” class, see the Undergraduate Advisor to find out if the topic will cover a time period/cultural area.

**Art History Major Elective and Studio Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td></td>
<td>Three additional Upper-Level Electives drawn from courses listed above and 2001, 2002, 2003, 2011, 2039, 2061, 2141, 2142, 2622, 2658, 2751, 2752, 3082, 3182, 3302, 4082, 4182. (Note: One course must be Writing Intensive.)</td>
<td>12 minimum</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td>Any Art studio offered by the Temple University Art Department, or appropriate transfer equivalency</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Art History Minor

Art History Minor Requirements (for Main Campus Students)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>Introductory Course: Select from 1001, 1801, 1155, 1156, 1955, 1956</td>
<td>3</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>Upper-Level Electives: Select four from 2000 and above</td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Art History Minor Requirements (Tyler School of Art B.F.A. Students)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>1101</td>
<td>Art Heritage Western World I</td>
<td>4</td>
</tr>
<tr>
<td>Art History</td>
<td>1102</td>
<td>Art Heritage Western World II</td>
<td>4</td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td>Upper-Level Electives: Select four from 2000 and above</td>
<td>16</td>
</tr>
</tbody>
</table>

FOX SCHOOL OF BUSINESS & MANAGEMENT

Founded 1918

M. Moshe Porat, Dean
111 Speakman Hall
1810 N. Broad Street
215-204-7676
www.fox.temple.edu

Accreditation
The Fox School of Business and Management is one of only seven schools in the greater Philadelphia area with curricula at both the undergraduate and graduate levels accredited by The Association to Advance Collegiate Schools of Business (AACSB), the International Association for Management Education.

Vision
Our vision is to be recognized as the premier center of business management education for the Philadelphia region and beyond, and to position the school as one of the leading public-urban business schools in the country. We strive to achieve high rankings in selected programs, both nationally and internationally, with the overall goal of being recognized consistently among the top 10th percentile of all accredited business schools in the world.

Mission Statement
Our mission and agenda are shaped by the forces driving today’s economy, the anticipation of tomorrow’s emerging trends, and our continuing commitment to our region and to our public-urban community. At the same time, we are always true to the vision of Temple University founder, Russell Conwell, and the core values that made his University a gateway to opportunity and prosperity for all with the talent and determination to succeed, particularly those with lesser financial means.

To ensure that our students acquire the tools and perspective that provide them with a competitive edge in today’s global marketplace, we are committed to these five major themes:

- Providing quality, student-centered business and management education founded on our traditions and values, and one that responds to the driving forces of the economy – globalization, informational technology, entrepreneurship and innovation.
- Engaging in state-of-the-art research necessary for managing in an increasingly-competitive and dynamic global economy.
- Integrating cutting-edge information technology into teaching, learning and research at all levels.
- Providing the best professional development opportunities for our students, faculty and staff with special efforts to facilitate development of ethical values, social networking skills and leadership skills.
- Linking, through our curriculum, research and outreach to the dominant and growth industries in our region: financial services, healthcare, pharmaceuticals/biotechnology, information technology, and tourism and hospitality.

© 2007, Temple University. All rights reserved.
Learning Outcomes for the BBA Program
The four main learning goals for the BBA program will be a demonstration that all students are competent in the following:

- Understanding of critical business concepts.
- Effective application of critical analytical skills.
- Effective utilization of oral and written communication.
- Understanding of the ethical, legal, and social responsibilities of individuals and organizations.

Special Facilities and Programs:

Center for Student Professional Development (CSPD)
http://fox.temple.edu/cspd

The Center for Student Professional Development (CSPD) is a vital link between the Fox School and the business community. Utilizing a unique “professional development model”, CSPD ensures all undergraduates develop the requisite professional skills that will help them locate meaningful internship and permanent jobs with regional and national companies. The Center provides:

- one-on-one coaching sessions
- group workshops
- on-campus recruiting
- leadership training
- numerous networking events with employers.

Being successful requires a balance of good academic performance, an understanding of the markets, and industry expectations and experience gained through active involvement in Student Professional Organizations. In addition, the CSPD staff teaches Business Administration 2101, a course designed to help students develop the basic professional tools that they will need to find internships and permanent jobs.

Internship and Co-op Programs
The Center for Student Professional Development and Student Professional Organizations works in partnership with employers to connect students with a wide variety of internship positions, both full and part-time. For more information on internship opportunities, please contact the student professional organization for your major or the Center for Student Professional Development at 215-204-2371.

In addition to the Fox School’s Internship Program, the University also offers co-op opportunities through its Cooperative Education Office located in Career Development Services. For more information about the University’s Co-op Program, and the requirements necessary to participate in the program, please call the Co-op Office at 215-204-7981 or www.temple.edu/careerdev.

Honors Program
The Fox School of Business and Management offers a stimulating Honors Program for students who demonstrate exceptional ability and achievement in their studies. High school students with SAT scores of at least 1300 (Math/Critical Reading) and rank in the top 15% of their class, and college students with at least a 3.6 grade point average are encouraged to apply. The program consists of a Lower Division laptop component and an Upper Division component. Students earn an Honors Certificate upon completion of each. Students who enter Temple University as freshmen are also invited to join the University Honors Program. For more information on this program, please visit the website at www.fox.temple.edu/honors.

Students admitted to the Honors Program may apply to join the Research Scholars program. Research Scholars work with faculty mentors on research projects in their chosen field. The research culminates in a senior thesis that students present during the spring of their senior year. Special scholarships are available for Research Scholars.

Students who enter the FSBM Honors Program are expected to join the Business Honors Student Association as well as the student organization in their major. For more information about the FSBM Honors Program and the Research Scholars Program, please contact Dr. Lynne Andersson, Director, FSBM Honors Program, 106E Speakman Hall, 215-204-5088, or
Learning Communities
All freshmen in the Fox School of Business and Management are part of a learning community. Courses within the community typically include the "Law in Society" (Law 1001) and "Computer and Applications" (CIS 1055) classes, which are scheduled in a block and may be taken together by students as a group.

Temple University Learning Communities are designed to help orient students to Temple University and will help students make friends and build a network for academic and social support. See the Learning Communities section of the Bulletin or the website: www.temple.edu/LC/.

Honorary Societies, Awards, and Student Associations:

Beta Gamma Sigma
The Gamma Chapter of Beta Gamma Sigma, the national honorary business fraternity, was installed in the Fox School of Business and Management in March 1935. Membership is limited to seniors and juniors who are in the upper 10 percent of their class. The members of Beta Gamma Sigma are elected on the basis of high scholarship. Eligible students will be notified by mail in March and invited to attend a special induction ceremony in April. Please contact Charles Allen at 215-204-8122 for more information.

Beta Alpha Psi
This national honorary fraternity was established for students of accountancy, finance, and information systems. For more information, please contact the officers of Beta Alpha Psi at 215-204-8889, www.temple.edu/bap.

Financial Management Association/National Honor Society
This national honorary society strives to provide opportunities to enhance the professional development of its members. For more information, contact the FMA executive officers at 215-204-6673, The Fox School | Financial Management Association.

Gamma Iota Sigma
This is an international Risk Management, Insurance, and Actuarial Science fraternity. The purpose of the Sigma Chapter of Gamma Iota Sigma is to encourage, establish, and enhance the professionalism of students in the Risk Management, Healthcare Risk Management, and Actuarial Science programs. Contact Dr. R.B. Drennan in the Risk, Insurance, and Healthcare Management Department at 215-204-8894 or contact the GIS Officers at 215-204-9368.

Omicron Delta Epsilon
This is a national honor society for students interested in Economics and whose GPAs are at least 3.0. This group is a subgroup of the Temple University Economics Society. For more information, please contact Dr. William Holmes at william.holmes@temple.edu or phone 215-204-8175. The Fox School | Omicron Delta Epsilon.

Student Organizations
www.fox.temple.edu/org/
As part of the student’s overall professional development, all FSBM students are strongly encouraged to participate in student organizations, professional associations, and academic fraternities. All major areas of concentration in the undergraduate curriculum have an associated organization. Freshmen and sophomores can utilize the organizations to find out more about the major fields of studies available to them. The student organizations provide an opportunity for students to meet one another outside the classroom as well as to meet practicing professionals from industry and government. Many organizations have an array of social activities that range from fundraising and community service projects to evening gatherings.

Please contact the College Council Officers at 215-204-6660 for more information about student organizations on the Main Campus. At the Ambler Campus, please call David Kaiser at 267-468-8366.

**Fox School of Business and Management College Council (FSBMCC)**

The College Council is comprised of the presidents from each of the recognized FSBM student organizations, associations, and fraternities. The Council's role is to assist the individual student organizations in recruiting members, obtaining funding, sponsoring activities, identifying outside speakers, and communicating with students. The College Council sponsors volunteer opportunities, student organization fairs, Spring Fling activities, and social events for all FSBM students. The Council also works closely with the Dean's Office and the Center for Student Professional Development to identify issues that are of concern to students and the student organizations. To contact the Main Campus College Council, please call 215-204-6660. At the Ambler Campus, please call 267-468-8366.

**Center for Undergraduate Advising**

The Center for Undergraduate Advising provides advising at three campuses: Main, Ambler, and TUCC. The Main Campus and Ambler offices are open every weekday. The Center City office is open on selected days and evenings. Please see our website for current office hours and staff: [www.fox.temple.edu/advising](http://www.fox.temple.edu/advising). Students are expected to know University Policies and their program requirements as defined in their Bulletin and on their DARS report at [www.owlnet.temple.edu](http://www.owlnet.temple.edu). Advisors will help students with program questions and will provide information to help students define their academic goals and plan the academic course sequence to meet these goals. They may also refer students to additional academic resources and University support services as needed.

**Office of the Ombudsperson**

The Fox School of Business and Management Ombudsperson will assist students in resolving problems that might arise from the classroom, acting as mediator between faculty and students when problems arise. The grievance procedures can be reviewed online at [www.fox.temple.edu/advising/ombuds](http://www.fox.temple.edu/advising/ombuds) or contact the Center for Undergraduate Advising at 215-204-4560 for further information.

**Academic Advising**

Students are asked to visit the Fox School of Business and Management website ([www.fox.temple.edu/advising](http://www.fox.temple.edu/advising)) for more information on advising.

**Academic Policies and Regulations**

The University policies and regulations apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Policies specific to FSBM are as follows:

**Anticipation of Graduation**

Students must submit an application for graduation along with the receipt for payment of graduation fees to their campus of record prior to the Continuing Student Registration period for their final semester. Graduation application deadlines and current graduation applications are available from the advising website at [www.fox.temple.edu/advising](http://www.fox.temple.edu/advising). A graduation review will be completed, students will receive written confirmation of their remaining requirements, and they will be eligible to reserve a seat in the senior capstone course, Business Administration 4196. It is extremely important for graduating seniors to register as soon as they become eligible within Continuing Student registration. Senior level and capstone classes close quickly, and there is no guarantee that seats will be available in all of the needed classes to graduate in any given semester. Some courses are not offered every semester or in the summer sessions.

**Course Eligibility**

To be eligible to enroll in courses numbered 3000 or higher, a matriculated FSBM student must have completed at least 57 semester hours of college course work in courses including:

- Accounting 2101, 2102
- Computer and Information Sciences 1055
- Economics 1101, 1102
- Risk Management and Insurance 2101
- Law 1001
- Statistics 1001, 1102, 2101, 2102
• Marketing 2101
• Human Resource Management 1101
and have met any specific course prerequisites.

Courses Inapplicable to Graduation Requirements
Semester hours earned in SRAP or ELECT, Preparatory Mathematics (formerly Mathematics 0001 or 0015), and lower-division (less than 2000) Military Science courses do not yield academic credit toward the minimum total of 123.

Dean's List (Scholastic Distinction List)
Undergraduate students who achieve a semester GPA of 3.5 or above with a completed semester load of 12 or more credits are selected for the Dean's List, which is posted on official bulletin boards in Speakman Hall and West Hall. Any MG's, NR's, or I's must be completed within two weeks after the semester ends to be eligible for the Dean's list for that semester.

Dean's List for Part-time Students
Matriculated undergraduate students who have earned at least 12 credit hours across an academic year (fall and spring semesters) with semester grade point averages of 3.5 or above in each semester are eligible to be considered for Dean's List recognition for that academic year. Any MG's, NR's, or I's must be completed within two weeks after the semester ends to be eligible for the Dean's list for that semester.

Probation and Drop
Students in the Fox School of Business and Management are bound by the University policy on Academic Warning, Probation and Dismissal, and Reinstatement. The University policy can be found at http://policies.temple.edu/getdoc.asp?policy_no=02.10.11.

Grade Point Average Requirement for Graduation
FSBM students are required to attain a 2.0 (2.0=C) average in all of their Temple course work and in their major in order to graduate from the Fox School of Business and Management. Some courses may have specific higher minimum grade requirements for degree applicability. Please check current course descriptions and the section pertaining to your major for this information. Major GPA calculators are available at www.fox.temple.edu/advising.

Life Experience
The Fox School of Business and Management does not offer credits for life experiences. Please see Non-Traditional Credit under the Academic Policies and Regulations section of this Bulletin for information about advanced placement or CLEP examinations.

Readmission
Students who have not enrolled for two consecutive semesters must apply for readmission to the Fox School. Deadlines for completed readmission applications are July 1 for fall, November 1 for spring, and April 1 for summer. Any existing holds must be cleared prior to readmission and official transcripts provided for any college level courses completed after leaving Temple University. Please note that students who have been absent from Temple for five or more years will be required to meet current program requirements and upper-level business credits (courses 3000 and higher) earned previously may no longer apply toward the degree. Readmission applications can be found at www.fox.temple.edu/advising/fqforms.

Residence Requirement
A minimum of 30 of the last 45 semester hours, including the majority of the requirements of a major, must be completed in the Fox School of Business and Management at Temple University in order to receive a degree. In addition, a minimum of 50% of the business courses must be completed at Temple University. See the Academic Residency Requirements policy at www.temple.edu/bulletin/policies/policies_part1.htm#acad_res_reg.

Transfer Credits
Business courses taken at colleges or universities which are not members of The Association to Advance Collegiate Schools of Business (AACSB) will be accepted for transfer business credits only if they are equivalent to Economics 1101, 1102, Accounting 2101, 2102, Computer and Information Sciences 1055, Risk Management and Insurance 2101, Law 1001, Law 1102, Statistics 1001, 1102, 2101, 2102. Marketing 2101 and Human Resource Management (formerly Human Resource Administration) 1101 will be accepted for transfer if they were taken during the fall 1994 semester or later. Human Resource Management 2501 will be accepted for transfer if taken during the spring 2005 semester or later. Specific
articulation agreements with local colleges may expand on this list. Current articulation agreements can be viewed at [www.fox.temple.edu/transfer/index.htm](http://www.fox.temple.edu/transfer/index.htm).

Additional business credits are accepted from colleges that are members of the AACSB. It should be understood that it is possible for a student to transfer in a large number of credits, which, while accepted by the University, may exceed the maximum number of elective credits applicable to the degree.

Permission to take Courses at Another Institution
Consistent with the University Policy [www.temple.edu/bulletin/policies/policies_part4.htm#another_inst](http://www.temple.edu/bulletin/policies/policies_part4.htm#another_inst), students will not receive transfer credit for courses taken at another institution while they are matriculated at Temple University unless prior permission has been obtained. Permission forms are available in the Fox School advising offices. Please refer to above section on transfer credits. Students should allow one to two weeks for processing once permission forms and documentation have been submitted.

Non-Matriculated Student Policy
Students not formally admitted to Temple University may take undergraduate courses numbered under 3000 in the Fox School of Business and Management. Undergraduate courses numbered above 3000 are open to visiting students who have completed a minimum of 60 credits, have met course prerequisites, and have written permission from their home institution. Students who have a baccalaureate degree and the prerequisites for the course desired may also enroll in advanced courses.

College Graduation Requirements
The degree of Bachelor of Business Administration (B.B.A.) may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 123 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. A minimum of 123 credit hours will be earned in the following four requirement categories:

1. University Core Curriculum

2. Fox School of Business and Management Requirements

Lower-Division Foundation Requirements

<table>
<thead>
<tr>
<th>Business Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>Accounting</td>
<td>2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>1101</td>
<td>Organization and Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>Law S.B.M.</td>
<td>1001</td>
<td>Law in Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Marketing</td>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Risk Management &amp; Insurance</td>
<td>2101</td>
<td>Introduction to Risk Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 18

Non-Business courses

<table>
<thead>
<tr>
<th>Non-Business courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer &amp; Information Sciences</td>
<td>1055</td>
<td>Computers and Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Strategic &amp; Organizational Communication</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics*</td>
<td>1001</td>
<td>Pre-Calculus for Business</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Statistics</td>
<td>1102</td>
<td>Calculus for Business</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Statistical Methods and Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2102</td>
<td>Selected Statistical Applications</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
*Higher level QA & QB courses may be recommended depending on the mathematics placement score or the student's intended major. Actuarial Science majors should refer to the math courses listed under the Actuarial Science major description.

Note: In order to graduate, a grade of C- or better must be obtained in all FSBM lower division requirements.

### Upper-Division Foundation Requirements (limited to juniors and seniors)

<table>
<thead>
<tr>
<th>Business Courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration</td>
<td>2101</td>
<td>Professional Development Strategies</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td>3102</td>
<td>Business, Society and Ethics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3011</td>
<td>Introduction to Financial Markets</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3101</td>
<td>Principles of Financial Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Management Science/Operations Management</td>
<td>3101</td>
<td>Operations Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Business Administration</td>
<td>4196</td>
<td>Business Policies (graduating seniors only)</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Subtotal**: 16

### 3. Major Requirements

Twelve business courses (34 s.h.) and eight non-business courses (25 s.h.) are required as part of the lower- and upper-division foundation requirements for the B.B.A. program. In addition, a minimum of nine business courses must be completed in the major, which is comprised of 1) required major courses, 2) one information technology course, 3) an international course, 4) one upper-level (3500+) Economics course, 5) and business electives. Business electives can be satisfied with upper-level business courses (3000+ level).

**NOTE:** Many upper-division foundation courses and major courses have prerequisites. Some of these prerequisites also include grade requirements. Students are required to meet all prerequisites. The School reserves the right to de-enroll students from courses when prerequisites have not been met. Prerequisites will be strictly enforced. The majority of the major course work, as well as all prerequisites, must be completed prior to taking the capstone course for the major. Students not meeting the requirements for the courses they enroll in may be de-enrolled from those courses. You can review course descriptions at [www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html](http://www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html).

### 4. Electives

**Free electives:** Students who have satisfied all of the requirements listed above may need to take additional credits to achieve the 123 credit minimum required for graduation. These credits may be taken in either business or non-business courses.

### Student Contact

Debbie Campbell  
Assistant Dean, Undergraduate Programs  
Speakman Hall 106  
215-204-3919  
dcampbell@temple.edu

Helen Robinson  
Director, Center for Undergraduate Advising  
Speakman Hall 101  
215-204-7672  
helen.robinson@temple.edu

Susan Young  
Associate Director, Center for Undergraduate Advising - Ambler  
West Hall
Faculty

Administration
M. Moshe Porat, Dean
Rajan Chandran, Vice Dean
Diana Breslin-Knudsen, Associate Dean
Howard Cohen, Associate Dean for Development and External Relations
John P. DeAngelo, Associate Dean for Technology
Deborah Campbell, Assistant Dean, Undergraduate Programs
Robert Bonner, Assistant Dean, MBA and MS Programs
Lynne Andersson, Director, FSBM Honors Program
Natale Butto, Director, Graduate Admissions Operations
Kimberly Cahill, Director, Center for International Business Education & Research and Institute for Global Management Studies
Zebron Crawford, Director, Graduate Career Management & Corporate Relations
Jennifer Fitzgerald, Director of Communications and Strategic Marketing, FSBM and STHM
Katie Gerst, Director, Assessment
Jaine Lucas, Acting Director, Innovation & Entrepreneurship Institute
William McDonald, Director, Graduate Enrollment Management
Munir Mandviwala, Executive Director, Irwin L. Gross E-Business Institute
Arvind Parkhe, Ph.D., Managing Director, MBA and MS Programs
Chris Pavlides, Executive Director, Innovation and Entrepreneurship Institute
Arvind Phatak, Executive Director, IGMS and CIBER
Laureen Regan, Ph.D., Academic Director, Full-time MBA Programs
Helen H. Robinson, Director, Undergraduate Student Services
Michael Smith, Ph.D., Academic Director, BBA Program
Corinne Snell, Director, Center for Student Professional Development
Sandra Sokol, Director, Executive & Professional MBA & MS Programs
Howard Weiss, Ph.D., Academic Director, Executive & Professional MBA & MS Programs

Accounting

Professor
Steven M. Balsam, Ph.D., City University of New York.
Rajiv Banker, D.B.A., Harvard University.
Roland Lipka, Ph.D., Rutgers, The State University of New Jersey.

Associate Professor
Stephen Fogg, Ph.D., New York University; C.P.A., (PA).
Mary A. Gaffney, Ph.D., University of Maryland.
Ralph Greenberg, Ph.D., Ohio State University; C.P.A., (OH).
Jagannathan Krishnan, Ph.D., Ohio State University.
Jayanthi Krishnan, Ph.D., Ohio State University.
Eric Press, Chair, Ph.D., University of Oregon; C.P.A., (Washington).
David H. Ryan, Ph.D., University of South Carolina, C.P.A., (PA).

Economics

Professor
Erwin Blackstone, Ph.D., University of Michigan.
Andrew Buck, Ph.D., University of Illinois.
William C. Dunkelberg, Ph.D., University of Michigan.
Elyas Elyasiani, Ph.D., Michigan State University (joint with Finance).
Joseph Friedman, Ph.D., University of California - Berkeley (joint with Finance).
Simon Hakim, Ph.D., University of Pennsylvania.
Kenneth Kopecky, Ph.D., Brown University (joint with Finance).
Associate Professor
Richard E. Bernstein, Ph.D., Brown University.
Michael Bognanno, Ph.D., Cornell University.
Gary W. Bowman, Ph.D., Carnegie-Mellon University.
Dimitrios Diamantaras, Ph.D., University of Rochester.
Mohsen Fardmanesh, Ph.D., Yale University.
Michael Goetz, Associate Dean, Ph.D., University of Minnesota.
William L. Holmes, Ph.D., University of Illinois.
Michael Leeds, Ph.D., Princeton University.
Paul Rappoport, Ph.D., Ohio State University.
John A. Sorrentino, Jr., Ph.D., Purdue University.
Charles Swanson, Ph.D., University of Minnesota.

Assistant Professor
Yong Bao, Ph.D., University of California - Riverside.

Finance

Professor
Paul Asabere, Ph.D., University of Illinois at Urbana-Champaign.
J. Jay Choi, Ph.D., New York University.
Elyas Elyasiani, Ph.D., Michigan State University (joint with Economics).
Joseph Friedman, Ph.D., University of California - Berkeley (joint with Economics).
Manak C. Gupta, Ph.D., University of California at Los Angeles.
Forrest Huffman, Ph.D., University of South Carolina.
Kenneth Kopecky, Chair, Ph.D., Brown University (joint with Economics).
Herbert E. Phillips, Ph.D., University of Washington.

Associate Professor
David Reeb, Ph.D., University of South Carolina.
Jonathan Scott, Ph.D., Purdue University.
Anne-Marie Zissu, Ph.D., City University of New York.

Assistant Professor
Zhaohui Chen, Ph.D., University of Pennsylvania.
Connie Mao, Ph.D., Cornell University.

General and Strategic Management

Professor
Raj Chaganti, Ph.D., State University of New York at Buffalo.
Robert D. Hamilton, III, Ph.D., Northwestern University.
Masaaki Kotabe, Ph.D., Michigan State University (Joint with Marketing).
Arvind Parkhe, Ph.D., Temple University.
Arvind V. Phatak, Chair, Ph.D., University of California at Los Angeles.
George Titus, Ph.D., University of Pennsylvania.

Associate Professor
H. Donald Hopkins, Ph.D., Pennsylvania State University.
Harold Klein, Ph.D., Columbia University.
Ram Mudambi, Ph.D., Cornell University.
Assistant Professor
Patrick Maggitti, Ph.D., University of Maryland - College Park.

Human Resource Management

Professor
Gary Blau, Chair, Ph.D., University of Cincinnati.
Robert Giacalone, Ph.D., State University of New York-Albany.
Karen S. Kozlara, Ph.D., University of Wisconsin-Madison.
James D. Portwood, Ph.D., University of Michigan.
Stuart M. Schmidt, Ph.D., University of Wisconsin-Madison.

Associate Professor
Lynne Andersson, Ph.D., University of North Carolina.
Thomas N. Daymont, Ph.D., University of Wisconsin-Madison.
John R. Deckop, Ph.D., University of Minnesota.
Deanna Geddes, Ph.D., Purdue University.
Arthur Hochner, Ph.D., Harvard University.
John A. McClendon, Ph.D., University of South Carolina.
Gerald J. Zeitz, Ph.D., University of Wisconsin-Madison.

International Business Administration
The following professors are members of the IGMS Faculty Council and teach in FSBM's programs in Philadelphia and overseas and are actively engaged in international business research.

William E. Aaronson, Health Administration
Michael Bognanno, Economics
Raj Chandran, Marketing
J. Jay Choi, Finance
C. Anthony DiBenedetto, Marketing
Mohsen Fardmanesh, Economics
Mark Gershon, Chair, MSOM
Robert D. Hamilton, III, General & Strategic Management
H. Donald Hopkins, General & Strategic Management
Masaaki Kotabe, General & Strategic Management, Marketing
Richard A. Lancioni, Marketing Ram Mudambi, General & Strategic Management
Arvind Parkhe, General & Strategic Management
Arvind V. Phatak, Chair, General & Strategic Management
James D. Portwood, Human Resource Management
Indrajit Sinha, Marketing

Legal Studies

Professor
Terry Ann Halbert, J.D., Rutgers University.
Samuel Hodge, Jr., Chair, J.D., Temple University.

Associate Professor
Vanessa Lawrence, J.D., University of Pennsylvania.

Assistant Professor
Joseph Bongiovanni, III, J.D., Temple University.
S. Jay Sklar, J.D., Temple University.
Michael Valenza, J.D., Temple University.
**Management Information Systems Department**

**Associate Professor**
Munir Mandviwalla, Chair, Ph.D., Claremont Graduate University.
Youngjin Yoo, Ph.D., University of Maryland-College Park.

**Assistant Professor**
Huigang Liang, Ph.D., Auburn University.
David Schuff, Ph.D., Arizona State University.
Sunil Wattal, Ph.D., Carnegie-Mellon University.

**Management Science/Operations Management**

**Professor**
Mark Gershon, Chair, Ph.D., University of Arizona.
Frederic Murphy, Ph.D., Yale University.
Howard Weiss, Ph.D., Northwestern University.

**Associate Professor**
Jugoslav S. Milutinovich, Ph.D., New York University.
Edward C. Rosenthal, Ph.D., Northwestern University.

**Marketing**

**Professor**
Rajan Chandran, Vice Dean, Ph.D., Syracuse University.
C. Anthony DiBenedetto, Ph.D., McGill University.
Masaaki Kotabe, Ph.D., Michigan State University (Joint with GSM).
Richard A. Lancioni, Chair, Ph.D., The Ohio State University.
Terry Oliva, Ph.D., University of Alabama.

**Associate Professor**
James Hunt, Ph.D., University of Cincinnati.
Indrajit Sinha, Ph.D., University of Michigan.

**Risk, Insurance, and Healthcare Management**

**Professor**
J. David Cummins, Ph.D., University of Pennsylvania.
Thomas Getzen, Ph.D., University of Washington.
M. Moshe Porat, Dean, Ph.D., Temple University. CPCU.
Michael R. Powers, Ph.D., Harvard University.
Mary A. Weiss, Ph.D., University of Pennsylvania.
Jacqueline Zinn, Program Director, Ph.D., University of Pennsylvania.

**Associate Professor**
William E. Aaronson, Ph.D., Temple University.
Bonnie Averbach, Program Director, M.A., Temple University.
R. B. Drennan, Jr., Chair, Ph.D., University of Pennsylvania.
Laureen Regan, Ph.D., University of Pennsylvania.
Jack L. VanDerhei, Ph.D., University of Pennsylvania.
Krupa S. Viswanathan, Ph.D., University of Pennsylvania.
Statistics

Professor
Richard M. Heiberger, Ph.D., Harvard University.
Burt Holland, Ph.D., North Carolina State University.
Francis Hsuan, Ph.D., Cornell University.
Boris Iglewicz, Ph.D., Virginia Polytechnic Institute and State University.
Alan Izenman, Ph.D., University of California - Berkeley.
Damaraju Raghavarao, Chair, Ph.D., University of Bombay.
Sanat K. Sarkar, Ph.D., University of Calcutta.
Jagbir Singh, Ph.D., Florida State University.
Woolcott Smith, Ph.D., Johns Hopkins University.
William W. S. Wei, Ph.D., University of Wisconsin-Madison.

Associate Professor
Milton Parnes, Ph.D., Wayne State University.
Marcus J. Sobel, Ph.D., University of California - Berkeley.

Emeritus Faculty

Professor
Vladimir Bandera
W. Roy Buckwalter
Oscar S. Dooley
Albert A. Ewald
Luisa Fernholz
Gerald Fischer
Theodore E. Fitzgerald
Walter Gershenfeld
Charles P. Hall (deceased)
Milton W. Hamilton
Louis T. Harms
Gerald Hartman
Bob A. Hedges (deceased)
George L. Herpel (deceased)
Nathaniel Jackendoff (deceased)
Iwan S. Koropecskyj
Saul S. Leshner
Robert E. Linneman
J. Joseph Loewenberg
Robert Lyon
Robert J. Myers
Karl H. Niebyl
John Norton
Charlotte D. Phelps
Arnold H. Raphaelson
John C. Ritchie
David H. Roberts
George F. Rohrlich
Sayre P. Schatz
Rudolf Skandera
H. Wayne Snider (deceased)
Earl P. Strong
Kailin Tuan
William H. Wandel
Samuel Wilson (deceased)
Seymour L. Wolfbein (deceased)
The program provides students with a broad general education and intensive study within the major as preparation for professional careers in public accounting, industry, consulting, government, and not-for-profit institutions.

The curriculum in accounting is designed to acquaint students with the conceptual framework and theory of accounting, transactional analysis, asset management, liabilities, owners' equity, and financial reporting. Cost analysis and control, accounting information systems, taxation, consolidated financial statements, and foreign operations also are covered, along with auditing techniques and an understanding of the ethical and performance standards of the profession.

There are three professional student organizations available for accounting majors: Beta Alpha Psi (BAP--National Honorary Fraternity), the Accounting Professional Society (APS), and the National Association of Black Accountants (NABA).

### Summary of Requirements

Students must meet College Graduation Requirements including the requirements of the major listed below. Accounting students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at [www.fox.temple.edu/advising](http://www.fox.temple.edu/advising) to calculate the GPA in the major.

### Requirements of Accounting Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2511</td>
<td>Intermediate Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>3512</td>
<td>Intermediate Accounting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>2521</td>
<td>Cost Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>3596</td>
<td>Auditing</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Accounting</td>
<td>3526^</td>
<td>Accounting Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>3531</td>
<td>Federal Taxes on Income</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>3533</td>
<td>Advanced Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>4596</td>
<td>Senior Seminar in Accounting</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3507</td>
<td>Business Law for Accountants</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one Economics course from either:

- Economics^^ 3563 International Trade
- Economics^^ 3564 International Monetary Economics

### Subtotal

<table>
<thead>
<tr>
<th>Hours</th>
<th>WI</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>
Actuarial Science

**Department of Risk, Insurance & Healthcare Management**

Bonnie Averbach, Associate Professor, Program Director  
Ritter Annex 475  
215-204-8153  
bonnie.averbach@temple.edu  
www.temple.edu/actuary

Krupa S. Viswanathan, Assistant Professor  
Ritter Annex 471  
215-204-6183  
krupa.viswanathan@temple.edu

Actuaries are highly-educated business executives who specialize in the evaluation of insurance and financial risks. They hold positions of responsibility with insurance companies, consulting firms, investment banks, self-insurers, government regulators, and government insurance programs. Because of their valuable talents and expertise, actuaries are generally well compensated and often rise to the highest levels of management. While undergraduates, students prepare for and take some of the professional examinations given by the Society of Actuaries and the Casualty Actuarial Society. The material in the first four actuarial exams include calculus-based probability with applications in risk management, theory of interest, actuarial mathematics, finance, and loss distributions.

Students should meet with the program director as soon as they enter the actuarial science program. In addition to their course work and professional examinations, students are strongly encouraged to become active in the Sigma chapter of Gamma Iota Sigma, Temple's national award-winning professional student organization in Risk Management, Insurance, and Actuarial Science. The organization hosts numerous guest speakers from the industry, sponsors a variety of career development seminars, and maintains a widely-distributed résumé book. For more information, please contact the GIS President, at 215-204-9368, or visit the website at www.sigmachapter.org/mainpage.php.

**Summary of Requirements**

Students are strongly encouraged to take the professional actuarial exams immediately after completing the relevant coursework. Students can sit for the Society of Actuaries Exam P/Casualty Actuarial Exam 1 immediately after taking Actuarial Science 2101 or Actuarial Science 2501. Students must meet the [College Graduation Requirements](#) including the requirements of the major listed below. Students must attain a 2.0 cumulative GPA and 2.0 in the major to graduate with the actuarial science major. Use the major GPA calculator at [www.fox.temple.edu/advising](http://www.fox.temple.edu/advising) to calculate the GPA in the major.

**Requirements of Actuarial Science Major**

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Science</td>
<td>1501</td>
<td>Introduction to Actuarial Science</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>2501</td>
<td>Basic Actuarial Mathematics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>2502</td>
<td>Theory of Interest</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>3596</td>
<td>Casualty Contingencies</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>3501</td>
<td>Actuarial Modeling I</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>3502</td>
<td>Actuarial Modeling II</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>3503*</td>
<td>Intermediate Business Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
International course – select one:  
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3563</td>
<td>International Trade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564</td>
<td>International Monetary Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3500+**</td>
<td>Any upper-level Economics, excluding 3581 or 3685</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Business Elective</td>
<td>Select one elective from business dept. 2500+</td>
<td>0-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

*Satisfies the technology requirement for the major.

**If either Economics 3563 or 3564 is taken to fulfill the Economics upper-level elective, this class will also fulfill the International requirement. You will need to take an additional business elective.

### Non-Business Required Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1041</td>
<td>Calculus I*</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1042</td>
<td>Calculus II*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>2101</td>
<td>Actuarial Probability and Statistics**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>2512</td>
<td>Intermediate Statistics**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>4033</td>
<td>Introduction to Probability Models</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

*Math 1041 & 1042 replace the Statistics 1001 & 1102 requirements listed for Fox School of Business & Management course requirements.

**Actuarial Science 2101 and Statistics 2512 replace the Statistics 2101 & 2102 requirements listed for Fox School of Business & Management course requirements.

---

**Business Minor**

108 Speakman Hall  
1810 N. 13th Street  
Philadelphia, PA 19122  
215-204-7676  
http://sbm.temple.edu/programs/busmng.htm

Many Temple University undergraduates are currently taking selected business courses to prepare themselves better for their careers after graduation. The Fox School of Business and Management offers two eight-course (24 s.h.) minors open to students in other schools and colleges of the University that offer preparation for work in a profit or non-profit organization. The Business Minor will facilitate the transition into an M.B.A. program for undergraduate non-business majors. The General Business Studies Minor offers students who are not interested in attending an M.B.A. program in the future a more diverse foundation of business knowledge. After the student completes the requirements for either minor, that minor will be recorded on the student's official University transcript upon graduation.

**Academic Requirements for Business Minor**

Students pursuing a business minor must meet the following requirements:

- A C- in each course
- A 2.0 overall GPA for courses in the business minor

© 2007, Temple University. All rights reserved.
A minimum of five of the eight required business minor courses must be completed at Temple.

Courses
Macro and Microeconomics (Economics 1101* and 1102*)
Statistical Analysis (Statistics 2101** or its equivalent)
Principles of Accounting I (Accounting 2101)
Principles of Accounting II (Accounting 2102)
Introduction to Marketing (Marketing 2101)
Organization and Management (HRM 1101)
Introduction to Risk Management (RMI 2101)

* Meets University Core Curriculum requirement for Individual and Society.
** Meets University Core Curriculum requirements for Quantitative Reasoning, Level B

Declaration of Business Minor
Students who are interested in pursuing a business minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the business minor upon completing no more than 6 credits toward the minor; there is no penalty if the minor is not completed. For more information and to declare the minor, please visit www.fox.temple.edu/advising/minor.html.

Academic Requirements for General Business Studies Minor
Students pursuing the General Business Studies Minor must meet the following requirements:

• A 2.0 overall GPA for courses in the General Business Studies Minor
• A minimum of five of the eight required business courses must be completed at Temple University.
• Application to complete this minor should be submitted within the first 6 credit hours of course work taken at Temple University towards the minor.

Courses
• Macroeconomics (Economics 1101)
• Principles of Accounting I (Accounting 2101)
• Organization and Management (HRM 1101)
• Introduction to Marketing (Marketing 2101)
• Four additional business electives from a designated list of courses.

* For a complete list of possible electives, review the requirements at www.fox.temple.edu/advising/minor.html.

Declaration of the General Business Studies Minor
Students who are interested in pursuing the General Business Studies Minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the General Business Studies Minor within the first 6 credit hours of course work completed at Temple University towards this minor: there is no penalty if the minor is not completed. For more information and to declare the minor, please visit www.fox.temple.edu/advising/minor.html.

Minors in Specific Business Disciplines
The Fox School of Business and Management also offers opportunities for students to select minors in addition to the majors. The following minors are available to students in any Temple University school or college:

• Accounting
• Economics
• E-Marketing
• Entrepreneurship
• Healthcare Management

© 2007, Temple University. All rights reserved.
• Management Information Systems
• Statistics (for Honors students or with the permission of the Statistics Department)

For information on the requirements and to declare any of the minors listed above, please visit www.fox.temple.edu/advising/minor.html. Students who complete the General Business Studies minor may be eligible to complete the Economics, E-Marketing, Entrepreneurship, and MIS minors listed above, but should first see an advisor in the Fox School Center for Undergraduate Advising in Speakman Hall 101. Students who are interested in the Management Information Systems minor but do not intend to complete either the Business Minor or the General Business Studies Minor should review the requirements for the MIS Certificate Program at http://mis.temple.edu/programs/Undergraduate/Minor.htm and contact the MIS Department with questions.

UNDERGRADUATE CERTIFICATE PROGRAMS IN BUSINESS

Business Basics

Note: This certificate is available only to non-matriculated students.

This certificate program consists of five required undergraduate courses. It is strongly recommended that students take the courses in the order in which they are listed so that they will build on their knowledge in a useful way. In order to receive the Business Basics Certificate, students must have a grade of C or better in each of the required courses. The certificate will be awarded upon satisfactory completion of all required courses.

Required Courses for Business Basics

• Law in Society (Law 1001)
• College Composition (English 1002)
• Organization and Management (Human Resource Management 1101)
• Principles of Accounting I (Accounting 2101)
• Pre-Calculus for Business (Statistics 1001)

Business Plus

Note: This certificate is available only to non-matriculated students.

The Business Plus Certificate builds on the knowledge gained in Business Basics. Students should take Business Basics courses prior to taking Business Plus courses. This certificate program consists of five required undergraduate courses. It is strongly recommended that students take the courses in the order in which they are listed so that they will build on their knowledge in a useful way. In order to receive the Business Plus Certificate, students must have a grade of C or better in each of the required courses. The certificate will be awarded upon satisfactory completion of all required courses.

Required Courses for Business Plus

• Macroeconomic Principles (Economics 1101)
• Microeconomic Principles (Economics 1102)
• Introduction to Marketing (Marketing 2101)
• Principles of Accounting II (Accounting 2102)
• Introduction to Risk Management (Risk Management and Insurance 2101)

Please note: Students may be required to complete a 4-credit writing review course prior to taking College Composition if they demonstrate the need for additional skills. Students may be required to complete a 3-credit Elementary Algebra course prior to taking Pre-Calculus for Business if they demonstrate the need for additional skills.

Individuals interested in pursuing the Business Basics or the Business Plus certificates should contact Ruth Gardner at 215-204-4358 or at ruth.gardner@temple.edu.
The business management curriculum is designed for students who wish to follow a broad and general curriculum. The program requires students to select a specific concentration with a minimum of three courses selected from a menu provided by the department. Concentrations are available in: Economics, Employment Benefits, Healthcare Management, Legal Studies, Marketing, and Property Liability. Contact the department in which you would like to concentrate.

Students are encouraged to join the student professional organization for the majors represented by their concentration. Please contact the College Council President at 215-204-6660 at the Main Campus or 267-468-8366 at the Ambler Campus for a list of these organizations or visit the College Council website at http://sbm.temple.edu/ccouncil/org.html.

### Summary of Requirements

Students must meet [College Graduation Requirements](http://sbm.temple.edu/ccouncil/org.html), including the requirements of the major listed below. Business Management students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at [www.fox.temple.edu/advising](http://www.fox.temple.edu/advising) to calculate the GPA in the major. Students in this major cannot complete a second major in the Fox School of Business and Management.

### Requirements of Business Management/Economics Major

#### Required courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Human Resource courses</strong> – <em>select two:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>3502</td>
<td>Managing People at Work</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Intermediate Economic Theory</strong> – <em>select one:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3501</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3502</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Economics elective</strong> – <em>select one 3501+ level:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td>Economics elective, excluding 3581, 3685</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Writing Capstone</strong> – <em>select one economics writing intensive course:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3596</td>
<td>Energy, Ecology, and Economy</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3597</td>
<td>Health Economics</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3598</td>
<td>Economics Writing Seminar</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td><strong>Required course:</strong></td>
<td>MIS</td>
<td>2101*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>International course</strong> – <em>select one:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Business Electives</td>
<td></td>
<td>Select one to two electives from business departments 2500+</td>
<td>3-6</td>
<td></td>
</tr>
<tr>
<td><strong>Economics</strong></td>
<td></td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3685, to meet the Fox School Economics requirement.</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
## Requirements of Business Management/Employment Benefits Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Human Resource courses</strong> – select two:</td>
<td>HR MGMT</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HR MGMT</td>
<td>3502</td>
<td>Managing People at Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HR MGMT</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Required courses:</strong></td>
<td>RSK MGT</td>
<td>3501</td>
<td>Life and Health Ins &amp; Employee Benefits</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3503</td>
<td>Retirement Plans</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RSK MGT</td>
<td>4596</td>
<td>Advanced Topics in Health &amp; Welfare Employee Benefits</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>MIS</td>
<td>2101*</td>
<td>Principles of Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>International course</strong> – select one:</td>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HR MGMT</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Electives</td>
<td></td>
<td>Select one to two electives from business departments 2500+</td>
<td>3-6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics**</td>
<td>3501+</td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3685.</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>27</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Satisfies technology requirement for the major.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.

---

## Requirements of Business Management/Healthcare Management

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Human Resource courses</strong> – select two:</td>
<td>HR MGMT</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HR MGMT</td>
<td>3502</td>
<td>Managing People at Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HR MGMT</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Required courses:</strong></td>
<td>HLT MGT</td>
<td>3501</td>
<td>Introduction to Healthcare Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HLT MGT</td>
<td>3502</td>
<td>Healthcare Financing and Information Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HLT MGT</td>
<td>4596</td>
<td>Integrated Delivery Systems and Managed Care</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>MIS</td>
<td>2101*</td>
<td>Principles of Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>International course</strong> – select one:</td>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Satisfies technology requirement for the major.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource courses - select two:</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3502</td>
<td>Managing People at Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law and Business Courses - select two:</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1102</td>
<td>Law of Contracts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3502</td>
<td>Law for the Entrepreneur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3503</td>
<td>The Consumer and the Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3504</td>
<td>Sports and the Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562***</td>
<td>International Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3505</td>
<td>Constitutional Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3506</td>
<td>Law, Technology and E-Commerce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3507</td>
<td>Business Law for Accountants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3508</td>
<td>The Litigation Process</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required courses:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>4596</td>
<td>Legal Research, Writing and Advocacy</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>MIS</td>
<td>2101*</td>
<td>Principles of Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>International course - select one:</td>
<td></td>
<td></td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Electives</td>
<td></td>
<td></td>
<td>Select one to two electives from business departments 2500+</td>
<td></td>
</tr>
<tr>
<td>Economics**</td>
<td>3501+</td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3685.</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

*Satisfies technology requirement for the major.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take two business electives to complete the nine courses required for the major.
required for the major.

***If Law and Business 3562 is taken, it will satisfy one law elective and the International requirement; you will need to take two business electives to meet the nine courses required for the major.

Requirements of Business Management/Marketing Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR MGMT</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td></td>
<td>RCI</td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3502</td>
<td>Managing People at Work</td>
<td></td>
<td>RCI</td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td></td>
<td>RCI</td>
</tr>
</tbody>
</table>

Required courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing</td>
<td>3596</td>
<td>Consumer and Buyer Behavior</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Marketing</td>
<td>3501-3553</td>
<td>Select two electives in Marketing</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MIS</td>
<td>2101</td>
<td>Principles of Information Systems</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

International course – select one:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3553***</td>
<td>International Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Electives</td>
<td></td>
<td>Select one to two electives from business departments 2500+</td>
<td>3-6</td>
<td></td>
</tr>
<tr>
<td>Economics**</td>
<td>3501+</td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3685.</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 27

*Satisfies technology requirement for the major.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take two business elective to complete the nine courses required for the major.

***If Marketing 3553 is chosen to satisfy a Marketing elective course, it will also satisfy the International requirement, and you will need to take two business electives to complete the major.

Requirements of Business Management/Property Liability Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR MGMT</td>
<td>3501</td>
<td>Power, Influence, and Negotiation</td>
<td></td>
<td>RCI</td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3502</td>
<td>Managing People at Work</td>
<td></td>
<td>RCI</td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3503</td>
<td>Communicating in Organizations</td>
<td></td>
<td>RCI</td>
</tr>
</tbody>
</table>

Required courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSK MGT</td>
<td>3502</td>
<td>Property and Liability Insurance Coverage</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RSK MGT</td>
<td>3504</td>
<td>Property and Liability Insurance Operations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RSK MGT</td>
<td>4597</td>
<td>Global Corporate Risk Management</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>MIS</td>
<td>2101*</td>
<td>Principles of Information Systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International course – select one:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3563**</td>
<td>International Trade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564**</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Economics

Dr. William Stull, Chair
Dr. William Holmes, Advisor
Office: Ritter Annex 804
215-204-8175
william.holmes@temple.edu
www.sbm.temple.edu/dept/economics

Economics is the study of how we allocate resources among alternative uses to satisfy our wants. Virtually all of the public and personal issues which confront us today have an important economic component. For this reason, the economic way of thinking plays a valuable role in helping us make sense of the complex world in which we live. In addition, the study of economics is excellent preparation for a wide range of careers. Economics majors with bachelor's degrees are well prepared to be managers in both the public and private sectors. Training in economics also provides a solid basis for professional study in law, business, public administration, and the health sciences.

The Temple Economics Society is the student professional organization for economics majors and is open to all students interested in economics. Economics majors may also become members of Omicron Delta Epsilon (ODE), the National Honor Society, if they meet the admissions requirements of the organization. For more information, please contact Dr. William Holmes at william.holmes@temple.edu or phone 215-204-8175

Summary of Requirements

In addition to completing the three economics courses required of all students in the Fox School of Business and Management (1101, 1102, and one upper-division course other than 3581 & 3685), majors in economics must fulfill the additional requirements listed below as well as meet College Graduation Requirements. Students must attain at least a 2.0 GPA in their major and 2.0 GPA overall in order to graduate. Use the major GPA calculator at www.sbm.temple.edu/advising to calculate the GPA in the major.

Requirements of Economics Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3501</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3502</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3598</td>
<td>Economics Writing Seminar</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3596</td>
<td>Energy, Ecology, and Economy</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3597</td>
<td>Health Economics</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Select two electives at the 3500+ level or above:</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3500+</td>
<td>Excluding Economics 3581 &amp; 3685 (Co-op &amp; Field Experiences)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
<td></td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>
Entrepreneurship

Patrick Maggitti, Academic Program Director
215-204-1692

Jaine Lucas, Acting Administrative Director IEI
215-204-4605
www.sbm.temple.edu/programs/entre.htm

The entrepreneurship major offered by Temple University’s Fox School of Business and Management integrates entrepreneurship theory and practice in an interdisciplinary approach to develop an understanding of the creation and management of an entrepreneurial business. The entrepreneurship major prepares students to start a business, be a productive member of an entrepreneurial business, assume responsibilities in a family business or become an effective manager in a growing business. Entrepreneurship majors create an idea for a new business, assess its feasibility, and develop a business plan. Students also experience two internships. Entrepreneurship majors are expected to be active members in the Entrepreneurial Student Association (ESA). Go to www.temple.edu/esa for information on the ESA.

Summary of Requirements

Students must meet College Graduation Requirements, including the requirements of the major listed below. Students must attain an overall GPA of 2.0 or higher in the major and must maintain a 2.0 GPA overall in order to graduate as an entrepreneurship major. Students pursuing the entrepreneurship major are expected to participate in the Entrepreneurial Student Association. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Requirements of Entrepreneurship Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2521</td>
<td>Cost Accounting</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3503</td>
<td>Corporate Finance</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3501</td>
<td>Entrepreneurship</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3502*</td>
<td>Software Applications to Business Problems</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Accounting 3526 and Economics 3544 will fill the technology requirement for the Economics major. Economics 3544 will also fill one of the two electives in Economics.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied one of the 3500+ Economics elective requirements, and you will need to take an additional business elective.

***This course meets the Economics 3500+ requirement that is part of the Fox School Business core.

****The number of business electives required depends on what courses are chosen to satisfy the technology and international areas.
Finance

Kenneth Kopecky, Chair
Office: Speakman Hall 329
215-204-8279
kkopecky@temple.edu
http://sbm.temple.edu/faculty/kkopecky/

Stephen R. Kamp, Faculty Advisor
Office: Speakman Hall 205E
215-204-7016
kamp@temple.edu

Howard Keen, Faculty Advisor
Office: Speakman Hall 206G
215-204-5990
hkeen@temple.edu

Finance plays a central role in the operation of the economy and is at the heart of the resource allocation system. Individuals often come in contact with financial instruments (money, stocks, bonds, etc.) and financial institutions and need to understand the role of the financial system in managing their lifetime financial portfolio.

Finance majors typically have one of four career objectives: (1) a position in the finance department of a business firm; (2) a position in a financial institution, such as a bank, investment bank, or mutual fund; (3) a career in the area of financial investments; and (4) a position with a government or non-profit organization.

Finance majors are encouraged to become involved in the Financial Management Association/National Honor Society (FMA/NHS). This student professional organization offers students the opportunity to meet business leaders in the financial industry, hosts career development seminars, and maintains a résumé book. The Financial Management Association is open to all business majors. To join the National Honor Society division of this organization, students must meet admission requirements. For more information, please contact the FMA executive officers at 215-204-6673.

Summary of Requirements
Students must meet College Graduation Requirements, including the requirements of the major listed below. Students must attain an overall GPA of 2.0 and a 2.0 GPA in the major to graduate as a Finance major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Requirements of Finance Major

| Required courses |
|------------------|------------------|------------------|------------------|------------------|
| Department       | Course #         | Course Name      | Hours | RCI |
| Accounting       | 2511             | Intermediate Accounting I | 3 |
| Finance          | 3503             | Corporate Finance | 3 |
| Finance          | 3507             | Investments      | 3 |
| Finance Electives – Choose two: | | | 6 |
### Finance Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3504</td>
<td>Advanced Corporate Finance</td>
</tr>
<tr>
<td>3505</td>
<td>Management of Financial Institutions</td>
</tr>
<tr>
<td>3506</td>
<td>Derivatives and Financial Risk Management</td>
</tr>
<tr>
<td>3508</td>
<td>Money and Fixed Income Markets</td>
</tr>
<tr>
<td>3509</td>
<td>Real Estate Investment and Finance</td>
</tr>
<tr>
<td>3551</td>
<td>International Financial Markets*</td>
</tr>
<tr>
<td>3552</td>
<td>International Financial Management*</td>
</tr>
</tbody>
</table>

**International Requirement** – Choose one: 0-3

- Finance 3551: International Financial Markets*
- Finance 3552: International Financial Management*
- Economics 3564**: International Monetary Economics
- Economics 3500+: Any upper level Economics courses, excluding Economics 3581 and 3685**
- Business Elective: Select one to two business electives from business departments 2500+
- Finance 4596***: Senior Seminar in Financial Management 3

**Subtotal** 27

*If either Finance 3551 or 3552 are chosen to fulfill a Finance elective, it will also satisfy the International requirement. You will need to take an additional business elective.

**If Economics 3564 is chosen to fulfill the International requirement, you must select a different 3500+ level Economics course.

***This course satisfies the writing and the technology requirements for this major.

---

### Human Resource Management

Dr. Gary Blau, Ph.D., Chair  
Speakman Hall 365  
215-204-6906  
gblau@temple.edu

Ms. Arlene Dowd, Department Administrator  
Speakman Hall 384  
215-204-8099  
adowd@temple.edu  
http://fox.temple.edu/dept/hrm/

The Human Resource Management (HRM) major prepares you for careers in human resource (HR) management and general management. Increasingly, organizations are hiring well-trained professionals to manage the most important asset of the business, its human resources. The HRM department offers students the training needed to prepare for this important area of business.

Typical first jobs for HRM majors include corporate recruiter, employee relations specialist, compensation analyst, corporate trainer, HR generalist, and management trainee. Typical jobs held five-ten years out include HR director, staffing manager, compensation manager, training manager, and employee relations director.

Human Resource Management majors are encouraged to become involved in the Society for Human Resource Management (SHRM). Guest speakers, networking events, internships and co-ops, career development activities, and the résumé book are just a few benefits of joining. This organization is open to all FSBM majors. There are two student SHRM chapters, one at Main Campus and the other at Ambler. The Main Campus chapter office is located on the ground floor of Speakman Hall. For more information, contact Dr. Blau at 215-204-6906, gblau@temple.edu, or the SHRM office at 215-204-1626. At Ambler, contact Megan Rimer at 215-204-2371, mrimer@temple.edu, or the SHRM officers at 267-468-8365.

© 2007, Temple University. All rights reserved.
Summary of Requirements

Students must meet College Graduation Requirements, including the requirements of the major listed below. Human resource management students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.sbm.temple.edu/advising to calculate the GPA in the major.

Requirements of the Human Resource Management Major

<table>
<thead>
<tr>
<th>Required courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department</strong></td>
</tr>
<tr>
<td>HR MGMT</td>
</tr>
<tr>
<td>HR MGMT</td>
</tr>
</tbody>
</table>

* HR MGMT 4596 will fill the technology requirement for the HR MGMT major.

<table>
<thead>
<tr>
<th>Select two additional 3500+ level HR MGMT courses from this list:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR MGMT 3511</td>
</tr>
<tr>
<td>HR MGMT 3512</td>
</tr>
<tr>
<td>HR MGMT 3513</td>
</tr>
<tr>
<td>HR MGMT 3581</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one additional course from above list or courses listed below:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR MGMT 3501</td>
</tr>
<tr>
<td>HR MGMT 3502</td>
</tr>
<tr>
<td>HR MGMT 3503</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International course - select one:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 3563**</td>
</tr>
<tr>
<td>Economics 3564**</td>
</tr>
<tr>
<td>Finance 3551</td>
</tr>
<tr>
<td>Finance 3552</td>
</tr>
<tr>
<td>GSM 3566</td>
</tr>
<tr>
<td>HR MGMT 3565</td>
</tr>
<tr>
<td>Law S.B.M. 3562</td>
</tr>
<tr>
<td>Marketing 3553</td>
</tr>
<tr>
<td>Economics** 3500+</td>
</tr>
</tbody>
</table>

| Business Electives | Select two to three electives from business departments 2500+ | 6-9 |

| Subtotal | 27 |

** If either Economics 3563 or 3564 is taken to fulfill the Economics 3500+ elective, the course will also satisfy the International requirement. Students will need to take an additional business elective.

People First Certificate

Good management is a key to any successful enterprise. In today's business environment, managers need to have an edge on the competition. The HRM Department offers three courses that we call our People First sequence to provide Fox School of Business and Management students the edge they need:

- HR MGMT 3501: Power, Influence & Negotiation
- HR MGMT 3502: Managing People at Work
- HR MGMT 3503: Communicating in Organizations

Take all three courses and receive our People First Certificate, an approved certificate program within FSBM. Or, take just one or two to further your training in the people side of business. People First Certification is available to FSBM students or students who have completed the Business Minor or General Business Studies Minor. In the case of students who have completed the General Business Studies Minor, the People First courses cannot also fill elective credits for that minor. For further information on these courses, students should contact their academic advisor.

© 2007, Temple University. All rights reserved.
Joint Program for RMI and HRM Majors

The Risk Management and Insurance (RMI) Department and the Human Resource Management (HRM) Department now offer several joint programs for students interested in a career in employee benefits and/or human resource management. These programs allow students to broaden their career options by taking advantage of the cross-training offered by these departments.

- HRM major with a RMI concentration. Students take RSK MGT 3501 (Life and Health Insurance and Employee Benefits) and RSK MGT 3503 (Retirement Plans).
- RMI major with a HRM concentration. Students take HR MGMT 2501 (Introduction to Human Resource Management) and HR MGMT 3511 (Compensation Management).
- Dual HRM/RMI major. Students fulfill all requirements for both majors.

For more information on joint HRM/RMI courses, contact Rob Drennan 215-204-8894.

International Business Administration

Dr. Arvind Phatak, Executive Director
Kim Cahill, Program Advisor
Office: Speakman Hall 349
215-204-3778
kcahill@temple.edu
www.fox.temple.edu/programs/iba.html

The International Business Administration major results in a multidisciplinary degree combining courses in international business and language, with a strong, functional business component. The major design enables students to develop an understanding of the various functional areas of international business, preparing students for positions in the government, global corporations, or international public institutions. Necessary skills are developed through specialized international courses in economics, finance, management, HR, law, marketing, and accounting. All International Business majors will complete the requirements for a functional business major. This educational experience is designed to equip students with the knowledge and global perspectives required to thrive in the global workforce of the twenty-first century.

Additionally, there is an emphasis on language; for without minimal language capability, one is truly handicapped in interpersonal relationships and in international interactions. Courses in language and language certificates are offered through the College of Liberal Arts. To round out and further students' education, study abroad is recommended. Students are provided opportunities to spend a semester or a year abroad in various countries where the University has established business programs. See Temple CIBER | Study Abroad for information.

A cultural, historical, and geographic area of understanding is also essential. Students are encouraged to acquire this background through completion of a Certificate of Specialization in Latin American Studies and Spanish for Business or Asian Business and Society facilitated by IGMS/CIBER or elective courses offered by the College of Liberal Arts. See Temple CIBER | Latin American Studies and Spanish for Business and Temple CIBER | Asian Business and Society Certificate Program for information.

International Business Administration majors are strongly encouraged to study abroad, earn an Area Studies and Language Certificate, and become actively involved in the International Business Association. This student organization hosts the Global Lecture Series with guest speakers from international business disciplines, networking events, and career development activities. This organization is open to all FSBM majors. For more information, contact the International Business Association officers at 215-204-8185.

Summary of Requirements

Students must meet College Graduation Requirements, including the requirements of the major listed below. Students pursuing the International Business major must complete all the requirements of their functional major; these requirements are combined with language fluency and language course work, as well as international course work and experiences. Participation in the International Business Association is expected. Students must maintain a 2.0 GPA overall and a 2.0 GPA in the major to graduate as an International Business major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.
## Requirements of International Business Administration Major

### Required courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBA</td>
<td>3563**</td>
<td>International Trade Theory (ECON 3563)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IBA</td>
<td>4587</td>
<td>International Business Practicum</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

| Accounting | 3561     | International Accounting                         |       |     |
| IBA        | 3564     | International Monetary Economics (ECON 3564)      |       |     |
| IBA        | 3551     | International Financial Markets (Finance 3551)    |       |     |
| IBA        | 3552     | International Financial Management (Finance 3552) |       |     |

Select one of the following:

| IBA        | 3566     | Global Strategic Management (GSM 3566)           |       |     |
| IBA        | 3565     | International Human Resource Management (HR MGMT 3565) | |     |
| IBA        | 3562     | International Law (Law S.B.M. 3562)              |       |     |
| IBA        | 3553     | International Marketing (MKTG 3553)              |       |     |

Foreign Language Requirement***

| Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish (these are non-business credit hours) | 0-14 | LA |

Subtotal: 12-26

* Technology requirement is filled through the functional Business Major.

** The IBA 3563/ECON 3563 class may be able to satisfy the 3500+ level Economics requirement for the functional major that is chosen. Please check with the functional major description and your academic advisor.

*** Students are required to take four courses of a foreign language or the Latin American Studies Semester (LASS). Students fluent in a foreign language will be waived from this requirement if they have demonstrated fourth level competency in one of the languages listed above.

Note: International Business courses are cross-listed with the corresponding functional department. IBA Majors must use the IBA course number when registering. IBA 4587 is no longer considered a writing-intensive course. It is recommended that students take IBA 2501 and IBA 2502 as Business electives if they have room in their degree program.

---

## Legal Studies

Samuel D. Hodge, Jr., J.D., Chair  
Office: Speakman Hall 208  
215-204-8135  
samuel.hodge@temple.edu  
http://sbm.temple.edu/dept/legal/

The Legal Studies curriculum is designed to acquaint students with the broad spectrum of the economic, political, and sociological framework within which the law functions. It also may be pursued as a pre-law major in preparation for law school. Majors will be exposed to a curriculum that will challenge their thinking process and reasoning abilities through the use of actual court cases, trial simulations, negotiations and other advocacy skills that stress written and oral communication. All faculty are law trained, and the courses offer an interesting blend of theory and practice.

Students pursuing this curriculum in preparation for the study of law should acquaint themselves with the content and format of the Law School Admissions Test. Information about the test and the Law School admission’s process may be accessed by visiting our website.

Legal Studies majors are encouraged to become involved in Phi Alpha Delta Law Fraternity, International. This organization hosts guest speakers, sponsors law-related field trips, and assists students in gaining internships within the legal field.

---

© 2007, Temple University. All rights reserved.
Summary of Requirements

Students must meet College Graduation Requirements including the requirements of the major listed below. Legal Studies students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Please note that GPA requirements for Law School admission will be significantly higher. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Requirements of Legal Studies Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department</strong></td>
<td><strong>Course #</strong></td>
<td><strong>Course Name</strong></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1102</td>
<td>Law of Contracts</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>4596*</td>
<td>Legal Research, Writing and Advocacy</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562**</td>
<td>International Law</td>
</tr>
<tr>
<td><strong>Select any two of the following:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3502</td>
<td>Law for the Entrepreneur</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3503</td>
<td>The Consumer and the Law</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3504</td>
<td>Sports and the Law</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3505</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3506</td>
<td>Law, Technology and E-Commerce</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3507</td>
<td>Business Law for Accountants</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3508</td>
<td>The Litigation Process</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3582</td>
<td>Independent Study</td>
</tr>
<tr>
<td><strong>or</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3682</td>
<td>Independent Study</td>
</tr>
<tr>
<td><strong>and</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate</td>
<td>3502</td>
<td>Real Estate Practice</td>
</tr>
<tr>
<td>Economics</td>
<td>3500+</td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3585</td>
</tr>
<tr>
<td><strong>Business Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select three electives from business departments 2500+</strong></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

* Satisfies the technology requirement for the major.
** Satisfies the International Requirement for the major.

The Temple Law Scholars Program

Temple University School of Law and the Temple University Fox School of Business and Management have created a program for exceptional students who plan on attending law school. The Temple Law Scholars Program provides an opportunity for outstanding students to gain provisional admission to Temple University School of Law at the same time they are accepted into the Fox School of Business and Management. As Temple Law Scholars, students will spend their undergraduate years in Temple's Honors Program with a major in Legal Studies, after which they will enroll in Temple University School of Law, leading to the degree of Juris Doctor.

The Temple Law Scholars Program offers two options:

1. The 3/3 option offers an accelerated experience in which the student begins law school after three years of undergraduate work in the Honors program. The bachelor’s degree in Business Administration with a major in Legal Studies is awarded after completion of the first year of law school, and the law degree is received after three years of law school.

2. The 4/3 program offers an enriched undergraduate experience in which the student receives the bachelor’s degree in Business Administration with a major in Legal Studies after four years in the Honors Program, and the law degree after three years of law school.

Students who wish to seek additional work experience prior to matriculating in law school can also be granted a one-year deferral between college and law school. For more information about the Department of Legal Studies and its course offerings, please visit our website at http://sbm.temple.edu/dept/legal/.
The B.B.A. Major in Management Information Systems (MIS) is a full-time program to train business-savvy, technically-proficient entry-level professionals. The MIS major is organized around the concept of Integration; organizational systems such as for payroll, customer relationship management, and enterprise resource management tie an organization together, and understanding how these systems integrate business processes and technology is essential to a successful career. Specifically, MIS majors will integrate business processes with MIS solutions by modeling and changing business processes, selecting the best information technology solution, and acquiring the solution by building, integrating, or purchasing systems. Graduates will understand how to integrate information systems vertically within the organization and across as well as how to solve application integration problems.

Typical career options for MIS students graduating with the B.B.A. in MIS include systems/business analyst, MIS Consultant, application developer, information systems manager, web developer, project manager, systems architect, and database administrator. All FSBM Management Information Systems majors are encouraged to join the Association of Management Information Systems (AMIS) and the Association of Computing Machinery (ACM).

**Summary of Requirements**

Students must meet College Graduation Requirements, including the requirements of the major listed below. MIS students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

**Requirements of Management Information Systems Major**

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 2101</td>
<td>Principles of Information Systems</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 2501</td>
<td>Data Communications and Networking</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 2502</td>
<td>Database Management</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3501</td>
<td>Object-oriented Programming I</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3502</td>
<td>Application Integration &amp; Evaluation</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3503</td>
<td>User Interface Design</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 3596</td>
<td>Business Process Analysis</td>
<td>3</td>
<td>WI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIS 4596</td>
<td>Information Systems Implementation</td>
<td>3</td>
<td>WI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one **MIS elective**: 3-4

<table>
<thead>
<tr>
<th>MIS elective</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3533</td>
<td>Electronic Commerce Site Design</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3534</td>
<td>Strategic Management of Information Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3535</td>
<td>Managing Global Information Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3580</td>
<td>Special Topics: Topics may change</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3581</td>
<td>Co-op Experience in MIS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one: 3

<table>
<thead>
<tr>
<th>Economics</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>3563*</td>
<td>International Trade</td>
<td></td>
</tr>
<tr>
<td>3564*</td>
<td>International Monetary Economics</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 33-34

* Economics 3563 or 3564 will satisfy the International requirement and the upper-level Economics requirement for the MIS major.

** The technology requirement is filled by courses within the MIS major.
Minor

A Minor in MIS provides undergraduate students the ability to specify, select, utilize, and apply Information Technology (IT) to their major field of study. The minor provides the skills and terminology needed to become an expert user of IT in the business world.

Who Should Do a Minor in MIS?

Business students will benefit from a minor in MIS, particularly majors in marketing, finance, accounting, health care, tourism/hospitality, and business management. The minor in MIS will position such students for jobs in business application areas, consulting positions, technical liaisons, and selling and acquisition of business software.

Benefits

- Improve the marketability of business students
- Identify, select and evaluate technology solutions for business problems
- Become a knowledgeable user of IT
- Become the person in the organization who can successfully interact with and work with technology professionals

Courses Required:

- MIS 2101.* Principles of Information Systems (also required for majors)
- MIS 2502. Database Management (also required for majors)

Select one of:

- MIS 2501. Data Communications and Networking
- MIS 3596. Business Process Analysis
- MIS 3533. Electronic Commerce Site Design
- MIS 3534. Strategic Management of Information Technology
- MIS 3535. Managing Global Information Systems

* Formerly known as MIS 0070/0085/0100

IMPORTANT:

To take courses for the MIS minor you must first declare your intention to minor in MIS. If you are not a School of Business or Tourism student then you will also need to take the Business Minor.

Certificate

Students who wish to earn a Certificate in MIS can do so by completing the same courses listed above. The Certificate does not require the completion of the Business Minor or the Business Studies Minor. Certificates are not listed on the Academic transcript.

Marketing

Richard Lancioni, Department Chair
Office: Speakman Hall 344
215-204-8885
Richard.Lancioni@temple.edu

Marketing is one of the most important business areas in the economy. Companies of all sizes must develop effective marketing strategies to reach the customers who will buy their products and services. To develop a successful marketing strategy an individual must understand how to develop new products, create effective promotional programs, price the products, and distribute them to customers in domestic and foreign markets. The goals of the marketing curriculum are to enable students to develop occupationally-viable skills and to pursue careers in marketing.
Students are taught in quantitative methods and the behavioral sciences to solve marketing problems. Methods of instruction may range from programmed learning for simple vocabulary and concept formation to team participation in systems simulations. Class projects are sometimes conducted in cooperation with business and government organizations.

Marketing majors have career choices in several fields including:

- Advertising and advertising management
- Sales and sales management
- International Marketing
- Marketing Research
- Marketing Management
- Logistics and supply chain management
- Careers in local, state, and federal governments
- Non-profit organizations such as hospitals and universities
- Direct marketing
- Public relations
- Customer service
- Wholesaling

Marketing majors are encouraged to become involved in the American Marketing Association. This student professional organization offers students the opportunity to meet business leaders in marketing; the group also hosts regular meetings and career development programs. The American Marketing Association is open to all majors. For more information, please contact Professor Mary Conran at mconran@temple.edu (215-204-8152).

Summary of Requirements

Students must meet College Graduation Requirements, including the requirements of the major listed below. Students must attain an overall GPA of 2.0 and a 2.0 GPA in the major to graduate as a Marketing major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Requirements of Marketing Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marketing</td>
<td>3596</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3511*</td>
<td>Marketing Research</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>4596</td>
<td>Marketing Strategy Planning</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Marketing Electives - select two of the following:

<table>
<thead>
<tr>
<th>Marketing Electives</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marketing</td>
<td>3501</td>
<td>Advertising</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3503</td>
<td>Promotion Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3504</td>
<td>Sales and Sales Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3506</td>
<td>e-Retailing &amp; Supply Chain Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3507</td>
<td>Direct Marketing and e-Commerce Channels</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3508</td>
<td>Strategic Application of Technology in Marketing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3509</td>
<td>Business-to-Business Marketing with e-Commerce</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing</td>
<td>3582</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>3500+</td>
<td>Any upper-level Economics courses, excluding Economics 3581 and 3685.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Electives</td>
<td>Select two electives from business departments 2500+</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal          27

* Satisfies the technology requirement for the major.
The real estate major is designed to provide an educational foundation for students interested in pursuing careers in real estate. Career areas include real estate investment and financial analysis, real estate finance and mortgage lending, corporate real estate asset analysis, and commercial and residential real estate brokerage.

Core competencies to be developed include the ability to analyze: real estate investment opportunities from both investor and corporate perspectives; financial and lending alternatives; and the effect of financing and taxation on real estate asset cash flows, net present values, and internal rates of return. Students will also learn the fundamentals of real estate markets and develop an understanding of the legal framework surrounding real estate ownership, title transfer, and sale.

All real estate students are encouraged to participate in the Temple University chapter of Rho Epsilon, the Real Estate student professional organization. Chapter members can take advantage of career advisement, résumé development, and networking opportunities. Real estate majors are also eligible for various university and professional scholarships, including the program's E. Fred Kemner Award. For more information please contact Professor Huffman at 215-204-6675.

**Summary of Requirements**

Students must meet College Graduation Requirements, including the requirements of the major listed below. Students must maintain a 2.0 GPA overall and a 2.0 GPA in the major to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

**Requirements of Real Estate Major**

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses</td>
<td>Accounting</td>
<td>2511</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>Required courses</td>
<td>Finance</td>
<td>3503</td>
<td>Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>Required courses</td>
<td>Finance</td>
<td>3509</td>
<td>Real Estate Investment and Finance</td>
<td>3</td>
</tr>
<tr>
<td>Required courses</td>
<td>Real Estate</td>
<td>3501</td>
<td>Real Estate Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Required courses</td>
<td>Real Estate</td>
<td>3502</td>
<td>Real Estate Practices</td>
<td>3</td>
</tr>
<tr>
<td>International Requirement</td>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td>3</td>
</tr>
<tr>
<td>International Requirement</td>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>International Requirement</td>
<td>Economics</td>
<td>3564</td>
<td>International Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>International Requirement</td>
<td>Economics</td>
<td>Elective</td>
<td>Select one from the following list: ECON 3501; 3502; 3503; 3504; 3505; 3538; or 3544.</td>
<td>3</td>
</tr>
<tr>
<td>International Requirement</td>
<td>Finance</td>
<td>4596^</td>
<td>Seminar in Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Electives</td>
<td>Elective</td>
<td>Select one elective from business department 2500+</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

^ This course satisfies the writing and the technology requirements for the major.

*Indicates Writing Capstone.

**Risk Management & Insurance**

R. B. Drennan, Program Director
Ritter Annex 403
215-204-8894

© 2007, Temple University. All rights reserved.
Temple University’s program in Risk Management and Insurance (RMI) is nationally recognized. Located in the Department of Risk, Insurance, and Healthcare Management, the program prepares students to identify and evaluate various sources of risk, then select and implement solutions to control these risks through insurance and other mechanisms of risk transfer and distribution.

Graduates of this program often enter the risk management or employee benefit departments of large businesses and other organizations. They may also take challenging positions within insurance or benefit consulting firms, brokerage firms, agency operations, or insurance companies.

Risk management and insurance majors are strongly encouraged to become active in the Sigma chapter of Gamma Iota Sigma, Temple’s national award-winning professional student organization in Risk Management, Insurance, and Actuarial Science. The organization hosts numerous guest speakers from the industry, sponsors a variety of career development seminars, and maintains a widely-distributed résumé book. For more information, please contact the GIS President, at 215-204-9368 or visit the website at www.sigmachapter.org/mainpage.php.

**Major Tracks within Risk Management and Insurance**

Students in the RMI major may select from one of three tracks depending on their interests. These include:

- Employee Benefit Management
- Healthcare Risk Management
- Property-Liability/Corporate Risk Management

**Summary of Requirements**

Students must meet College Graduation requirements, including the requirements of the major listed below. Students pursuing any of the Risk Management and Insurance major/tracks must attain a 2.0 cumulative GPA and 2.0 in the major/track to graduate with the Risk Management major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

**Requirements of Employee Benefit Management Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSK MGT</td>
<td>3501</td>
<td>Life &amp; Health Insurance &amp; Employee Benefits</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>RSK MGT</td>
<td>3502</td>
<td>Property &amp; Liability Insurance Coverages</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>RSK MGT</td>
<td>4596</td>
<td>Advanced Topics in Health &amp; Welfare Employee Benefits</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Select one of the following:* 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSK MGT</td>
<td>3503</td>
<td>Retirement Plans</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RSK MGT</td>
<td>3505</td>
<td>Actuarial Applications in Risk Mgmt &amp; Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLT MGT</td>
<td>3502**</td>
<td>Healthcare Financing &amp; Information Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSK MGT**</td>
<td></td>
<td>RMI Electives - one or two courses excluding RSK MGT 3581, 3582, 3582. 3-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**International course - select one:** 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3563***</td>
<td>International Trade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564***</td>
<td>International Monetary Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3551</td>
<td>International Financial Markets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>3552</td>
<td>International Financial Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR MGMT</td>
<td>3565</td>
<td>International Human Resource Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>3562</td>
<td>International Law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3553</td>
<td>International Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics^</td>
<td>3500+</td>
<td>Any upper-level Economics course, excluding Economics 3581 and 3685. 0-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Business Electives Select one to three electives from business 3-9
* Courses in this category satisfy the technology requirement for the major.

** If Healthcare Management 3502 is taken to fill the technology requirement, the student will need one additional elective in Risk Management & Insurance to meet the Department's five-course RMI requirement for the major.

*** If Economics 3563 or 3564 is chosen to fulfill the International requirement, you will also satisfy the 3500+ level Economics requirement. It is the recommendation of the Department that you do not take these courses.

^ If you did not take Economics 3563 or 3564, it is highly recommended that you take Economics 3521 (Economics of Risk and Uncertainty) or Economics 3507 (Health Economics) to meet this requirement.

^^ Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the Chair of RMI.

## Requirements of Healthcare Risk Management Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3501</td>
<td>Life &amp; Health Insurance &amp; Employee Benefits</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3502</td>
<td>Property &amp; Liability Insurance Coverages</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HLT MGT</td>
<td>3501</td>
<td>Introduction to the Health Services System</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HLT MGT</td>
<td>3502</td>
<td>Healthcare Financing &amp; Information Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>3507</td>
<td>Health Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>4596</td>
<td>RSK MGT</td>
<td>Advanced Topics in Health &amp; Welfare Employee Benefits</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>4597**</td>
<td>RSK MGT</td>
<td>Global Corporate Risk Management</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>3504</td>
<td>RSK MGT**</td>
<td>Property &amp; Liability Insurance Operations</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

International course - select one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3563</td>
<td>Economics</td>
<td>International Trade</td>
<td>3</td>
</tr>
<tr>
<td>3564</td>
<td>Economics</td>
<td>International Monetary Economics</td>
<td></td>
</tr>
<tr>
<td>3551</td>
<td>Finance</td>
<td>International Financial Markets</td>
<td></td>
</tr>
<tr>
<td>3552</td>
<td>Finance</td>
<td>International Financial Management</td>
<td></td>
</tr>
<tr>
<td>3566</td>
<td>GSM</td>
<td>Global Strategic Management</td>
<td></td>
</tr>
<tr>
<td>3565</td>
<td>HR MGMT</td>
<td>International Human Resource Management</td>
<td></td>
</tr>
<tr>
<td>3562</td>
<td>Law S.B.M.</td>
<td>International Law</td>
<td></td>
</tr>
<tr>
<td>3553</td>
<td>Marketing</td>
<td>International Marketing</td>
<td></td>
</tr>
</tbody>
</table>

Business Electives Select one to two electives from business departments 2500+*** 3-6

Subtotal 27

* Satisfies the technology requirement for the major.

** If Risk Management & Insurance 4597 is taken to fill the capstone writing requirement, the student must also take the prerequisite for the course RSK MGT 3504 (Property & Liability Insurance Operations).

*** Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the Chair of RMI.

Note: It is highly recommended that students take Healthcare Management 4596 (Integrated Delivery Systems and Managed Care) as one of their business electives.

## Requirements of Property-Liability/Corporate Risk Management Major

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3501</td>
<td>Life &amp; Health Insurance &amp; Employee Benefits</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3502</td>
<td>Property &amp; Liability Insurance Coverages</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>RSK MGT</td>
<td>3504</td>
<td>Property &amp; Liability Insurance Operations</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Semester Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSK MGT 3503</td>
<td>Retirement Plans</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSK MGT 3505</td>
<td>Actuarial Applications in Risk Management &amp; Insurance</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLT MGT 3502</td>
<td>Healthcare Financing &amp; Information Technology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSK MGT 3507</td>
<td>Any RMI elective course - needed only if HLT MGT 3502 is taken in category above</td>
<td>0-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**International course - select one:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 3563</td>
<td>International Trade</td>
<td>3</td>
</tr>
<tr>
<td>Economics 3564</td>
<td>International Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>Finance 3551</td>
<td>International Financial Markets</td>
<td>3</td>
</tr>
<tr>
<td>Finance 3552</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>GSM 3566</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>HR MGMT 3565</td>
<td>International Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>Law S.B.M. 3562</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 3553</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Economics^ 3500+</td>
<td>Any upper-level Economics course, excluding</td>
<td>0-3</td>
</tr>
<tr>
<td></td>
<td>Economics 3581 and 3685</td>
<td></td>
</tr>
<tr>
<td>Business Electives</td>
<td>Select one to three electives from business</td>
<td>3-9</td>
</tr>
<tr>
<td></td>
<td>departments 2500+^^</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal**

| 27 |

* Courses in this category satisfy the technology requirement for the major.

** If Healthcare Management 3502 is taken to fulfill the technology requirement, the student will need one additional elective in Risk Management & Insurance to meet the Department's five-course RMI requirement for the major.

*** If Economics 3563 or 3564 is chosen to fulfill the International requirement, you will also satisfy the upper-level Economics requirement. It is the recommendation of the Department that you do not take these courses.

^ If Economics 3563 or 3564 is not taken, it is highly recommended that you take Economics 3521 (Economics of Risk & Uncertainty) or Economics 3507 (Health Economics) to meet this requirement.

^^ Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the Chair of RMI.

**Joint Program for RMI and HRM Majors**

The Risk Management and Insurance (RMI) Department and the Human Resource Management (HRM) Department now offer several joint programs for students interested in a career in employee benefits and/or human resource management. These programs allow students to broaden their career options by taking advantage of the cross-training offered by these departments.

- HRM major with a RMI concentration: Students take RSK MGT 3501 (Life and Health Insurance and Employee Benefits) and RSK MGT 3503 (Retirement Plans).
- RMI major with a HRM concentration: Students take HR MGMT 2501 (Introduction to Human Resource Management) and HR MGMT 3511 (Compensation Management).
- Dual HRM/RMI major: Students fulfill all requirements for both majors.

For more information on joint HRM/RMI courses, contact Rob Drennan 215-204-8894.

**SCHOOL OF COMMUNICATIONS & THEATER**

Founded 1967

Concetta M. Stewart, Dean
2020 N. 13th Street, Philadelphia, PA 19122

© 2007, Temple University. All rights reserved.
Goals and Objectives

The mission of the School of Communications and Theater is to provide leadership in advancing the role of communication in public life. This mission is pursued through the training of students for leadership careers in communications, media, and theater, through advancing research and creative activity in these fields, and through serving the public need for free and open communication. The School is concerned not only with high standards of professional work but also with encouraging the next generation of artists, teachers, and media managers to develop an intellectual background and a sense of social responsibility. Toward this end, SCT students are encouraged to take coursework in disciplines outside the School. For some, history and political science are related areas of interest; others choose literature and the arts; still others choose business, economics, or the social sciences. In this way, the School participates in providing not only professional training but also a broad humanistic education for its students.

The faculty of the School come from diverse backgrounds. Some have extensive professional experience as filmmakers, journalists, television producers, theater directors, speech writers, advertising executives, and public relations practitioners. Others have come to Communications and Theater through academic study, doing graduate work and continuing the practice of research and scholarship while teaching at Temple.

History

The study of communication began formally at Temple University with the founding of the Department of Journalism in 1927. It was the first such department in the Commonwealth.

Theater was an extracurricular activity at Temple until 1931, when formal courses were developed.

Radio-Television became an instructional division in 1947, and extensive film offerings were added in 1967. That year, Journalism and Radio-Television-Film joined Theater to form the School of Communications and Theater. In 1987 the highly-respected Department of Speech moved to the School from the College of Arts and Sciences. A year later, Speech became two departments: Rhetoric and Communication and Speech-Language-Hearing.

The School was restructured in 1995. Radio-Television-Film is now the Department of Film and Media Arts and the Department of Broadcasting, Telecommunications, and Mass Media; Journalism became Journalism, Public Relations, and Advertising; Rhetoric and Communication became Speech Communication. In 1998, the Department of Communication Sciences (Speech-Language-Hearing) moved to the College of Health Professions.

The most recent change in the structure of the School involved the Departments of Journalism, Public Relations and Advertising, and Speech Communication. Effective Fall 2004, Advertising became a separate department. The Department of Speech Communication changed its name to Strategic and Organizational Communication and includes Public Relations as one of three concentrations: Public Communication (formerly Speech Communication), Public Relations, and Organizational Leadership. The Department of Journalism includes sequences in Broadcast Journalism, News Editorial, Magazine, and Photography for the Mass Media.

Renowned for their professional experience, research, and teaching, our faculty prepare our graduates for a wide range of careers in communication industries, as well as lead graduate students towards Ph.D., M.F.A., M.A., and M.J. degrees.

Special Facilities

The School of Communications and Theater is housed in buildings designed for teaching, research, and production.

The primary location of the School is Annenberg Hall, which houses the Departments of Film and Media Arts; Broadcasting, Telecommunications, and Mass Media; Journalism; and Advertising. Television and film production areas (studios and editing, graphics, and film labs) occupy the first floor. The building also includes extensive video and film editing areas, a 75-seat multimedia screening room, photographic labs, two news writing labs and smart classrooms.

The Theater Department, located in Tomlinson Hall, features two theaters, as well as rehearsal rooms, costume, and scene shops. The Department of Strategic and Organizational Communication is housed in Weiss Hall.

The Joe First Media Center, SCT’s newest addition, is located on the first floor, linking Annenberg and Tomlinson Halls. The Center is a communications and media hub for the school and includes a cyber-café, a multimedia information center, and a venue for displaying student work and film screenings.

© 2007, Temple University. All rights reserved.
Special Programs:

Temple Update
Temple Update is a production course in which students can gain experience producing, reporting, and editing for a half-hour weekly news magazine format. The program airs on a cable outlet. The course gives the students the opportunity to produce material for a résumé tape and provides students with valuable experience in field work, news writing, video editing, and the pressure of a live program.

Internship Program
Although the requirements may vary, internships are available to junior and senior students of every department in the School. Internships are for academic credit and must involve professional activity related to the student’s course of study. The internships must be approved by the administrator or faculty member charged with supervising internships.

Los Angeles Summer Internship & Study Program
Offered by the Film and Media Arts Department, the Los Angeles Summer Internship & Study Program is open to all Temple University students on both the upper-level undergraduate (63 credit hours completed) and graduate levels who have an interest in working within the Hollywood entertainment industry. This 8-credit program runs from late May through July. It includes an on-site internship and six weeks of concurrent coursework.

Study Abroad
The School of Communications and Theater offers several programs for students who are interested in studying abroad and strongly encourages students to participate in these programs.

The School offers a program in London for undergraduate students. Students spend either the fall or spring semester in London studying British theater and media with an international faculty.

Enrollment in the London program is also open to qualified students from other universities and colleges to foster an intellectual exchange among students of varied collegiate backgrounds. Courses are designed to make the best use of the uniqueness of London and the United Kingdom.

Summer Study Abroad programs are also an important feature of the School's special programs. Realizing the inestimable value of direct contact with professionals and other experts, the School of Communications and Theater offers an annual summer seminar in London on British Mass Media. These seminars are offered for graduate and undergraduate credit and can be an integral part of a student's coursework.

Temple/Dublin is a month-long program offered by the School of Communications and Theater which allows students to experience the old and the new Dublin within a challenging academic experience. The two-course program includes a foundational course on Irish literature, history and culture taught by a Dublin professor, and a course on Irish media and arts taught by the School's Faculty Director.

Our newest summer study abroad programs involve month-long media projects in either Cagli, Italy, or Armagh, N. Ireland. Students and faculty work much like a news gathering and multimedia production company and create a web documentary describing the life and history of these small towns. Special attention is paid to ordinary people, cuisine and culture, businesses, institutions, and the daily life of the citizens.

The summer programs, like the academic year program, are open to qualified students from other universities and colleges and to others who choose to continue their education in a less formal manner than in a prescribed program of study.


Advising
SCT Advising Center
9 Annenberg Hall
2020 N. 13th Street
Philadelphia, PA 19122
215-204-5273
http://www.temple.edu/sct/sct-advising2/index.htm

© 2007, Temple University. All rights reserved.
Students in the School of Communications and Theater are advised by professional academic advisors and faculty advisors. New students (up to 30 credits), transfer students in their first semester, interdepartmental majors, undeclared students, and students on academic probation make advising appointments in the Advising Center on the ground floor of Annenberg Hall. All other students are advised by faculty in their respective departments. See the department office for assignment to the appropriate advisor.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Most students will be eligible to register for classes on-line via OWLnet. However, all students should meet with an advisor prior to the eligible registration period.

Students preparing to graduate must file the necessary paperwork one semester prior to the graduation date. At that time, an appointment should be made in the Academic Advising Center for a graduation review.

**Policies and Regulations**

Please see the Undergraduate Academic Policies section of this Bulletin. Students are responsible for complying with all University-wide academic policies as well as those of the School of Communications and Theater that appear below.

**Academic Standing**

Students must maintain a 2.00 cumulative GPA in their major or track and make satisfactory progress toward their SCT degrees to remain in good academic standing. Students who are not in good academic standing at the end of a semester will be warned for the following semester. Students who are not in good academic standing at the completion of that following semester may be dropped from the SCT programs.

**Credits Not Applied Toward the Degree**

Credits earned in the following courses are not applied toward a degree in the School of Communications and Theater: all courses in Military Science, Topical Studies, RCC, ELECT, and Mathematics 0015.

**Dean’s List**

Each semester, undergraduate students who achieve a GPA of 3.5 or above for the semester with 12 or more credits toward the degree and with no grades of I or NR are selected for the Dean’s List. Letters of congratulation are sent to each of these students.

**English 0701 Requirement**

Students required to take English 0701 must complete that requirement before enrolling in Journalism 1112 and before enrolling in Strategic and Organizational Communication courses numbered 1000 or above.

**Readmission**

Students returning to the School of Communications and Theater after an absence of three or more years must use the Undergraduate Bulletin in effect at the time of readmission or any subsequent Undergraduate Bulletin. Credits more than ten years old may not be applied toward a degree in the School.

**Transfer Students**

Refer to the Undergraduate Admissions section of this Bulletin for general information on transferring courses to Temple. In addition to these criteria, each department in the School of Communications and Theater will evaluate any credit to be transferred into a major. This evaluation generally is done at the first meeting with a faculty advisor during the first semester. The maximum number of credit hours allowed to transfer in the major are: 12 hours in Advertising; 20 hours in Broadcasting, Telecommunications, and Mass Media; 21 hours in the Communications interdepartmental degree; 21 hours in Film and Media Arts; 12 hours in Journalism; 12 hours in Strategic and Organizational Communication; and 20 hours in Theater.
**School Requirements for Graduation**

The School of Communications and Theater requires 126 credits to graduate; completion of the University Core Curriculum; completion of departmental requirements; a minimum of 2.0 GPA, both cumulative and in the major; and completion of a maximum of 71 credits within the school and a minimum of 55 credits outside of the school.

Minimum and maximum credit requirements within each major are listed with the departmental requirements.

Students who are planning to graduate must schedule an official graduation review with an Academic Advisor one semester prior to the anticipated graduation date.

**Program Descriptions**

1. Certain courses fulfill multiple requirements. In consultation with your advisor, you will be able to plan your curriculum more effectively.

2. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section of this Bulletin.

**Student Contact**

For information about the School of Communications and Theater, please contact the SCT Advising Center, 215-204-5273.

**Faculty**

**Advertising**
William Donnelly, Associate Professor  
James Marra, Professor  
Michael Maynard, Associate Professor and Chair

**Film and Media Arts**
Alan Barber, Assistant Professor  
Warren Bass, Professor and Chair  
Rod Coover, Assistant Professor  
Peter D’Agostino, Professor  
Sarah Drury, Assistant Professor  
LeAnn Erickson, Associate Professor  
David Parry, Professor  
Eran Preis, Associate Professor  
Jeff Rush, Associate Professor  
Paul Swann, Professor

**Journalism**
Bonnie Brennen, Professor  
Fabienne Darling-Wolf, Assistant Professor  
Thomas Eveslage, Professor  
Christopher Harper, Associate Professor  
Carolyn Kitch, Associate Professor  
Andrew Mendelson, Associate Professor and Chair  
Edward Trayes, Professor  
Karen Turner, Associate Professor  
Linn Washington, Associate Professor

**Broadcasting, Telecommunications and Mass Media**
Jan Fernback, Associate Professor  
Renee Hobbs, Professor
The Department of Advertising offers students professionally-oriented courses focused on preparing them for a wide variety of careers, rooted in marketing communications in a media-defined global society.

Advertising is a major industry, serving major businesses at the intersection of media and society. Students in a professional department dedicated to the study of advertising will learn, and graduates will be well grounded in, the arts of marketing communications in a modern, high tech, media intense, interconnected world. They must comprehend the nexus of economic communications and social communications. They must be positioned to succeed in professional careers and to respond wisely as citizens, consumers, and community leaders.

Based on the evidence from over 5,000 survey questionnaires, full-time advertising students at Temple University fall into clearly-defined groups:

- Students energetically interested in advertising as a career
- Students who have creative talent and wish to express it
- Students who are broadly interested in media and the power and mystery of advertising
- Students interested in marketing, sales, or business, but who do not wish to major in business or finance
- Students who think advertising will be a fun way to get a job-oriented college degree

**Students in the Department of Advertising will learn:**
• How to identify appropriate research designs for understanding consumer wants, needs, and communication behavior, and be able to interpret the results for developing brand and advertising strategies
• How to conceive, write, design and produce advertising in all media formats which can be measured against marketing objectives and strategies
• How to establish strategies and to negotiate executions for the investment of advertising dollars in all media vehicles and how to evaluate the results
• How to manage client relations and the process of producing advertising from strategy through production at a profit

The Advertising Department consists of three major tracks:

1. Creative – Copywriting or Art Direction
Students following the Creative Track will take three advanced courses in either copywriting or art direction. These advanced courses prepare students for the competitive world of creative writing and creative art direction in the field of advertising. The Portfolio class provides students the opportunity to work in teams and to produce a professional-grade portfolio.

2. Management
This track provides instruction for the advertising generalist, the account executive, and the media expert. In the three advanced management courses, students follow the leadership path in organization, command, and control of the advertising function. Advanced Media prepares students for the complex, fragmented media landscape of today’s world.

3. Research
Students following this track will receive training that guides them in conducting surveys, analyzing data, testing copy, studying America’s changing demographics, and attempting to get ahead of the fashion trend curve. Ways of tracking the success of traditional as well as alternative advertising vehicles and the mass media in general are studied.

Internships or Diamond Edge Communications
All majors are required to take either an internship or Diamond Edge Communications (DEC), our student-run ad agency. Both offer students valuable hands-on experience in actual production: ads, logos, surveys, brochures, etc. DEC works with local Philadelphia clients and sometimes, working in groups, takes on a national advertising competition. In terms of internships, students will be directed to a number of quality situations where they will have the opportunity to work in relevant professional ways for course credit.

Requirements for the Degree of Bachelor of Arts

Summary of Requirements:
1. University Core Curriculum requirements, including completion of Library Skills Test, also known as the Temple Information Literacy Tutorial (TILT).
2. Maximum of 71 credits in the School of Communications and Theater.
3. Minimum of 48 credits in Advertising courses, maximum of 54 credits in Advertising courses.
4. A grade of C or higher must be attained in all required Advertising courses.
5. An overall GPA of 2.0 must be attained in the major.
6. 1000-level Advertising courses are prerequisites to 2000-level Advertising courses; 2000-level Advertising courses are prerequisites to 3000-level Advertising courses; 3000-level Advertising courses are prerequisites to 4000-level Advertising courses.
7. No more than 12 semester hours of transfer credits may be applied to Advertising major requirements.
8. No more than 8 credits may be taken in Kinesiology activities courses.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising</td>
<td>1101</td>
<td>Intro to Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>Advertising</td>
<td>1102</td>
<td>Intro to Advertising</td>
<td>3</td>
</tr>
<tr>
<td>Advertising</td>
<td>1103</td>
<td>Persuasive Writing</td>
<td>3</td>
</tr>
<tr>
<td>Advertising</td>
<td>1141</td>
<td>Intro to Advertising Research</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising</td>
<td>2101</td>
<td>Advertising Strategy and Positioning</td>
<td>3</td>
</tr>
<tr>
<td>Advertising</td>
<td>2121</td>
<td>Advertising Copywriting I</td>
<td>3</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising</td>
<td>2131</td>
<td>Advertising Media Planning I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>2151</td>
<td>Intro to Visual Communication</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advanced Core I</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3101</td>
<td>Creative Thinking for Advertising</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3171</td>
<td>Diamond Edge Communications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3185</td>
<td>Advertising Internship</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advanced Core II</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4101</td>
<td>Interactive Media and Advertising</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4102</td>
<td>Advertising Campaigns</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4103</td>
<td>AAF National Student College Competition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4196</td>
<td>Morality, Law and Advertising</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Track Requirements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creative/Copywriting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3022</td>
<td>Advertising Copy II: Print</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3023</td>
<td>Advertising Copy III: Broadcast</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4064</td>
<td>Portfolio</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Creative/Art Direction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3052</td>
<td>Art Direction I: Concept &amp; Layout</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3053</td>
<td>Art Direction II: Narrative &amp; Multimedia</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4064</td>
<td>Portfolio</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Management</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3032</td>
<td>Advertising Media Planning II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3033</td>
<td>Marketing Media Products</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4034</td>
<td>Advertising Account Management</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3042</td>
<td>Advanced Advertising Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>3043</td>
<td>Mass Media Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advertising</td>
<td>4044</td>
<td>Advertising Account Planning</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

---

**Broadcasting, Telecommunications & Mass Media**

Matthew Lombard, Ph.D., Chair  
215-204-5401  
lombard@temple.edu

Jack Klotz, Assistant Chair  
215-204-5401  
jklotz@temple.edu

© 2007, Temple University. All rights reserved.
The Department of Broadcasting, Telecommunications and Mass Media provides students the knowledge and skills to create, analyze and manage media content and institutions responsibly.

Theory and practice are integrated into all areas of study in the major. BTMM students learn how to produce, evaluate and manage media content for traditional and emerging media in a variety of genres including information (news and documentary), music, comedy, sports, drama, and commercial and noncommercial persuasion campaigns. They study institutions that create, distribute and analyze media products (e.g., production studios, television and radio networks and audience measurement companies) and learn how to create and operate successful media businesses. BTMM students learn to think purposefully and critically about media, and examine media roles in history, culture and society from many perspectives. And they learn how to act ethically as they interact with the world both in careers in media institutions and as citizens.

The BTMM curriculum is made up of courses in three areas:

1) **Media Production & Performance:** The conceptual and technical tools needed to create media content in a variety of formats and genres. Students who study in this area develop strong professional skills as well as critical and analytical abilities that enable them to evaluate content for various media. They are prepared for careers as producer, writer, videographer, and talent in traditional and emerging media.

2) **Media Business & Entrepreneurship:** The practical and ethical ways to start, operate or participate in an enterprise that creates, produces, and/or distributes media content. Students who take these courses are prepared for careers as media entrepreneur, media production freelancer, and owner/operator of a production company, station or channel.

3) **Media Analysis:** Critical understanding of the roles of media in contemporary life, including media technology as a cultural force; the nature of media institutions, audiences, and texts; and the media as a source of shared social identities. Students who take these courses are prepared for careers as media consultant, editorial or technical writer, community activist, corporate communication producer and market research analyst.

The flexible degree requirements allow students to emphasize one or more concentrations, including:
- TV Production
- Radio Production
- Media Performance
- Recording Industry
- Media Management
- Media Entrepreneurship
- Analysis of Social Processes in Media
- Analysis of Media Institutions

**Requirements for the Degree of Bachelor of Arts**

**Summary Requirements:**

- Temple University Core Curriculum requirements, including completion of library orientation, also known as the Temple Information Literacy Tutorial (TILT).
- School of Communications and Theater requirements.

**General Requirements:**

- Minimum of 40 credits in BTMM / maximum of 54 credits in BTMM
- Maximum of 71 credits in the School of Communications and Theater
• Each course that fulfills a requirement for the major must be passed with a C- or better
• All prerequisites must be met unless exempted in writing
• No more than 20 transfer credits may be applied to the BTMM major
• Minimum GPA of 2.0 in the major
• No more than 8 credits in Kinesiology and Dance activities courses

Course Requirements:

• BTMM Foundation Courses: 1011 (Mass Communication Theory), 1021 (Mass Media and Society) and 1041 (Media in Everyday Life) must be completed within in the first 45 credits at Temple University. Students transferring in 45 or more credits need complete only two of the three BTMM foundation courses; at least one BTMM foundation course must be completed at Temple, unless exempted by the Chair of the department.
• At least four courses numbered from 3000- 4999, excluding Internship, Practicum, Independent Study and Independent Project
• At least one of the following: Internship (BTMM 4785) or Practicum ( BTMM 4596, 4787, or 4887)
• BTMM 4039: Senior Seminar taken during final 30 credits

Internships and Senior Seminar:
The academic experience for all BTMM majors culminates with an internship or practicum and the Senior Seminar. Together, these courses provide students the opportunity to explore their potential professional futures.

Internship opportunities exist locally (at virtually every media-oriented organization in the greater Philadelphia region), nationally (in New York City, Los Angeles, Chicago, and other US media markets), and internationally (in London, England, and Tokyo, Japan, through the School of Communications and Theater's International Studies program.) To qualify for an internship, students must have Junior or Senior standing, a minimum of 2.5 GPA in the major, and passing grades (C-) in the BTMM foundation courses.

There are three practicum options. In the TV Practicum (BTMM 4596), students produce a weekly live-to-tape TV newsmagazine that airs on local cable TV. A summer offering, TV Production Workshop (BTMM 4787), also fulfills the requirement for a practicum and involves the production of various content also for broadcast on local cable. The Radio Practicum (BTMM 4887) involves work at Temple University's Jazz and Classical music radio station, WRTI 90.1 FM, a National Public Radio affiliate.

Suggested Semester-by-Semester Plan

<table>
<thead>
<tr>
<th>Year 1 Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
<td></td>
</tr>
<tr>
<td>MATH</td>
<td>1011</td>
<td>College Mathematics or other math core</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td>SCT</td>
<td>1001</td>
<td>Freshman Seminar</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one **Foundation** course from:

<table>
<thead>
<tr>
<th>BTMM</th>
<th>1011</th>
<th>Mass Communication Theory</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>1021</td>
<td>Mass Media and Society</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>1041</td>
<td>Media in Everyday Life</td>
<td>4</td>
</tr>
</tbody>
</table>

| BTMM | Core | Library Orientation (TILT) | 0     |

Select one **Arts Core** course from:

| PHILOS | 1061 | Art and Society | 3     | AR   |
| Theater| 1201 | Acting for Non-Majors | 3     |      |

| Total   |      |                   | 14    |

<table>
<thead>
<tr>
<th>Year 1 Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>1012</td>
<td>Elements of Mathematical Thought</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>or other math core</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Select one Foundation Course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>1011</td>
<td>Mass Communication Theory</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>1021</td>
<td>Mass Media and Society</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>1041</td>
<td>Media in Everyday Life</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select one course from:** Consult with Advisor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>1655</td>
<td>Intro to Media Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>BTMM</td>
<td>1701</td>
<td>Intro to Media Technology</td>
<td>3</td>
</tr>
<tr>
<td>BTMM</td>
<td>2141</td>
<td>Mass Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>BTMM</td>
<td>2221</td>
<td>The Broadcasting System</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one American Culture Core course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHRO</td>
<td>1064</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>U.S. History Since 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>THM</td>
<td>1496</td>
<td>Leisure in American Culture</td>
<td>3</td>
<td>AC/WI</td>
</tr>
<tr>
<td>or others</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
</tbody>
</table>

**Total** 16

**Year 2 Fall**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
</tbody>
</table>

**Select one Sci & Tech Core course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>1001</td>
<td>Physics: Motion &amp; Matter</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>1005</td>
<td>Light, Art, and Nature</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Acoustics</td>
<td>4</td>
</tr>
<tr>
<td>or other science core</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td></td>
<td>Select 2000-3000 level</td>
<td>3-4</td>
</tr>
<tr>
<td>BTMM</td>
<td></td>
<td>Foundation</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select one Individual and Society course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHRO</td>
<td>1062</td>
<td>Intro to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>GUS</td>
<td>1021</td>
<td>Urban Society: Race, Class and Community</td>
<td>3</td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1001</td>
<td>Law In Society</td>
<td>3</td>
</tr>
<tr>
<td>PHILOS</td>
<td>1062</td>
<td>Morality and the Law</td>
<td>3</td>
</tr>
<tr>
<td>SOC</td>
<td>1376</td>
<td>The Sociology of Race and Racism</td>
<td>3</td>
</tr>
<tr>
<td>SOC</td>
<td>1166</td>
<td>Money: Who Has It, Who Doesn't, Why It Matters</td>
<td>3</td>
</tr>
<tr>
<td>or other IN core</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total** 17-18

**Year 2 Spring**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: SB Science Courses</td>
<td></td>
<td></td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>Sci &amp; Tech</td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Select one International Studies or Language course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>or other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lang</td>
<td>(Placement Test)</td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>ANTHRO</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>ANTHRO</td>
<td>1065</td>
<td>Origins of Cultural Diversity</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Dance</td>
<td>2803</td>
<td>Dance in Human Society</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>BTMM</td>
<td>Elective</td>
<td>Select 3000-4999</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>Elective</td>
<td>2000-3999</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Pick One</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>15-19</td>
<td></td>
</tr>
</tbody>
</table>

### Year 3 Fall

**Select one Writing course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>3196</td>
<td>Writing Workshop</td>
<td>3</td>
</tr>
<tr>
<td>BTMM</td>
<td>4296</td>
<td>History of Broadcasting</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>4496</td>
<td>Global Telecommunications</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>4497</td>
<td>Mass Media and Children</td>
<td>4</td>
</tr>
<tr>
<td>BTMM</td>
<td>4596</td>
<td>Broadcast Production Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one Race course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td></td>
<td>Race</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>BTMM</td>
<td>2000-3999</td>
<td>BTMM Elective - Pick One</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Select one International Studies/Lang course from:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lang</td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>or International Studies</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>15-17</td>
<td></td>
</tr>
</tbody>
</table>

### Year 3 Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>3000-4999</td>
<td>BTMM Elective - Select one</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>3000-4999</td>
<td>BTMM Elective - Select one</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17-19</td>
<td></td>
</tr>
</tbody>
</table>

### Year 4 Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>4785</td>
<td>Internship</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>4039</td>
<td>Senior Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>Elective</td>
<td>BTMM Elective - Select one</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Open Elective - Select one</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>16-17</td>
<td></td>
</tr>
</tbody>
</table>

### Year 4 Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>Elective</td>
<td>BTMM Elective - Select one</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>4785</td>
<td>Internship</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Communications Major

Scott Gratson, Ph.D., Program Director
09C Annenberg Hall
215-204-6434
sgratson@temple.edu
www.temple.edu/sct/comm-major/index.html

The Communications Major is designed in the liberal arts tradition to provide students in the School of Communications and Theater (SCT) a broad exposure to all communications disciplines, as well as allowing for an in-depth focus in more than one area of study. The major is offered at the Main Campus and at the Ambler Campus and also can be completed at the Tokyo campus, but some elective advanced courses in special areas of interest are offered only at the Main Campus. Students are encouraged to propose individual programs using the comprehensive list of SCT course offerings that are compatible with the interdisciplinary objective of the major.

Positions in the communications industries are growing, and most SCT graduates seek employment there. The Communications Major also develops a broad range of interpersonal and mass media skills -- practical writing, oral skills, media production, and computer use. These are valuable to many careers in business, public service, and education, and many employers are looking for informed employees who understand communication processes. Communications Majors can develop a suitable set of marketable skills for a broad range of such careers.

Program Requirements
The Bachelor of Arts degree requires completion of all University requirements, including the University Core Curriculum, and School requirements, with a minimum of 126 semester hours. The major requires completion of 14 courses with 43 s.h. minimum in the major. There is a maximum of 71 s.h. allowed in SCT. Students must earn a 'C-' or better in all courses required for the major and a minimum 2.0 GPA in the major.

All Communications majors must take the following eight courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTMM</td>
<td>1011</td>
<td>Mass Communication Theory</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>1655</td>
<td>Intro. to Media Management and Organization</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>1172</td>
<td>Introduction to Film and Video Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>1111</td>
<td>Journalism and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>JOURN</td>
<td>1112</td>
<td>Writing for Journalism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>1002</td>
<td>The Collaborative Art</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>COMM+TH</td>
<td>4111</td>
<td>Communications Senior Seminar</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

- Distribution Requirement: Three SCT courses from three different departments. If numbered 2000 and above, these courses can also satisfy the level requirements below.

- Required SCT Course Levels:

*Four year total must equal 126 credit hours.*
• 2000 or above: Minimum four courses and 12 credits.
• 3000 or above: Minimum two courses and 6 credits, including a writing-intensive course. (Internships, Independent Studies and Senior Seminar are excluded from this category).
• Permission of the instructor may be required for Main Campus upper-division production courses in BTMM and FMA because of space limitation. Prerequisites in all departments apply.

• At least four courses (12 credits) outside of SCT must be taken at the 2000 level or higher.
• No more than 8 s.h. in Kinesiology (physical education activity) or dance courses may be credited toward the degree.
• Students may participate in study abroad programs.
• Transfer students are required to complete a minimum of 24 s.h. of Major courses at Temple.
• No more than 21 s.h. may be taken in any one department outside of SCT and counted toward the major (This will allow for non-SCT minors, if desired.)
• A maximum of 27 s.h. in any one SCT department may be counted toward the degree.
• A maximum of 4 s.h. of Internship credit may be counted toward the degree.
• A maximum of 8 s.h. combined of Independent study and or Special Projects may be counted toward the degree.

Communications majors may minor in established SCT minors subject to the policies of the individual department. The Communications student who declares a minor must complete the entire program requirements for both the major and the minor, with only the Communications Major introductory required courses listed above fulfilling both the major and minor requirements. Courses in a minor department above the minimum minor requirement may be used to fulfill Communications Major degree requirements.

Film & Media Arts

Warren Bass, Chair
120 Annenberg Hall
2020 N. 13th Street
Philadelphia, PA 19122
215-204-1666
wbass@temple.edu
www.temple.edu/fma/

The Film and Media Arts Program focuses on the development of creative and technical skills in film, video, audio, digital media, and new technologies, and the theoretical understanding of media and culture. The program recognizes and explores the creative tension between individual expression and the social, political, and economic forces that shape culture at large through the creation and study of film, video, and new media.

Students will be trained in developing content as well as craft, theory, and practice. In learning independent and commercial approaches to production and theory, graduates will be prepared to develop their own independent productions and to assume a creative role in the motion picture and television industries.

The department brings in guest media makers and visiting professors from diverse backgrounds for special lectures and workshops. Students may also select elective courses from other departments in the School of Communications and Theater in such areas as telecommunications, journalism, and theater. A highly-recognized graduate program offers undergraduates numerous opportunities to work on advanced productions and participate in advanced research in the field.

Faculty Mentoring
FMA faculty strongly believe in the importance of close mentoring. This is particularly important in a department that focuses on individual and collaborative expression. Upon entering the department, each student will be assigned a faculty mentor who will guide the student through his/her four years at Temple. The entire Film and Media Arts faculty will participate in the review of each student’s work in the Basic Core production/studies courses.

Special Programs and Internships
The Film and Media Arts Department offers special programs for study and research in London, Rome, and Tokyo. Additionally, many organizations in the Philadelphia, New York, and Washington, D.C. metropolitan areas cooperate in providing opportunities for student professional internships. The department also offers a summer internship program in Los Angeles.
Summary of Requirements for the Degree of Bachelor of Arts in Film and Media Arts

The Bachelor of Arts degree may be conferred upon a student majoring in Film and Media Arts by recommendation of the faculty and upon satisfactory completion of a minimum of 126 credit hours. Students must complete:

1. University Core requirements
2. School of Communications and Theater requirements
3. At least 42 credits and a maximum of 54 credits earned in one of the Film and Media Arts sequences.

The number of credits taken in the School of Communications and Theater is limited to 71 credits. A student must earn a grade of C or better in all Film and Media Arts courses that count towards the degree.

Maintaining Program Performance

Prerequisites to entrance and graduation from the Production and Media Culture Thesis sequences require students to maintain a GPA of at least 3.0 calculated in all courses taken in the University. Students who have earned at least a 2.0 GPA may enter and graduate in the General sequence. Students with an average under 2.0 may not begin the FMA program. Students may take up to 4 of the 42 FMA credits as an internship.

FMA Foundation Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMA</td>
<td>1141</td>
<td>Media Arts I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>1142</td>
<td>Media Arts II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>1171</td>
<td>Media and Culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>1172</td>
<td>Intro to Film and Video Analysis</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

At the completion of these courses, students will choose to enter the Production Thesis (leading to a Senior Project), the Media Culture Thesis, or the General sequence (no thesis required).

Production Thesis Sequence

Sequence Directors:
Eran Preis
215-204-6991
epreis@temple.edu

Michelle Parkerson
215-204-9598
mparkers@temple.edu

This sequence educates prospective media makers, writers, and new technology practitioners to take creative control of their own work. It emphasizes students’ initiative in creating individual or collaborative projects that serve as an expression of their personal vision and voice. Students can enter this sequence to work on their own project or as a collaborator with equal creative responsibility on a colleague's project.

The Production Thesis sequence builds to a two-semester senior capstone course in which each student, working with close faculty guidance, finishes a project and production book. Media work must be presented publicly at the end of the year program screenings.

Students may enter this sequence if they earn a 3.0 or higher in the FMA foundation courses and in all of their other FMA classes. Completion of this sequence requires Senior Projects I and II and is based on the grade requirements listed above, along with faculty acceptance of Senior Project application portfolio (which includes a proposal or script, and a work sample) submitted in March of the student's junior year.

Production Thesis Sequence

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMA</td>
<td>2241</td>
<td>Film Making</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
### Media Culture Thesis Sequence

Paul Swann, Sequence Director  
215-204-1735  
pswann@temple.edu

This sequence explores the role of media in American culture. The critical exploration of technology, economic and legal factors, social history, and institutions highlights the processes through which media culture affects identity construction and social change. Students who choose this sequence develop critical, analytical, and organizational skills in linking media culture to such arenas as community-based organizations and museums, schools, media resource centers, and the multicultural community of independent film and video producers.

The Media Culture Thesis sequence builds to a two-semester capstone course in which each student completes a written research-based thesis on media culture criticism and/or history or a producible script for reality-based media programming. Students may enter this sequence if they earn at least a 3.0 GPA in the FMA foundation courses.

Students who do not meet the above requirement may petition to enter this sequence based on a review of their written work. The petition must be received by the Media Culture sequence director no later than the third week of the semester prior to the semester when the student would be taking the senior thesis course.

### Media Culture Thesis Sequence

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMA</td>
<td>2241</td>
<td>Film Making</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2242</td>
<td>Videography</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2451</td>
<td>Experimental Video and Multimedia</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2361</td>
<td>Writing for Media</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td></td>
<td>Production Elective</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td></td>
<td>Studies or second Production Elective</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>4241</td>
<td>Senior Project I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>4242</td>
<td>Senior Project II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td></td>
<td>Advanced Writing Intensive Elective</td>
<td>4</td>
<td>WI</td>
</tr>
</tbody>
</table>

*A writing intensive course will also fill the requirement for an advanced writing intensive studies course listed below.

**Serves as required advanced Writing Intensive course.

### General Sequence

Michael Kuetemeyer, Sequence Director  
215-204-3922  
mku@temple.edu

This sequence is designed for students who wish to have a more general approach to the major. After completing the FMA core, students must take one production or writing course in Filmmaking, Videography, Experimental Video or Media
Writing, along with one 2000-level or higher studies course. Students then design their own program with approval of their advisors, choosing a range of middle and upper level courses that complete a balanced, liberal arts approach to media study and production. The program requires at least one advanced writing intensive course, one advanced studies course and one advanced course in studies or production. Students may progress through the General sequence if they have a 2.0 cumulative average and grades of C or better in the FMA foundation courses.

**General Sequence**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMA</td>
<td>2241</td>
<td>Film Making</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2242</td>
<td>Videography</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2451</td>
<td>Experimental Video and Multimedia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2000 or higher level Studies Course</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2000 or higher level Studies Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(with faculty advisor’s approval)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>2000 or higher level Studies or Production Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(with faculty advisor’s approval)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>Advanced Writing Intensive Elective</td>
<td>4</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>3000 or higher level Studies Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(with faculty advisor’s approval)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMA</td>
<td>3000 or higher level Production Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(for which the student has completed the prerequisites)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3000 or higher level Studies Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(with faculty advisor’s approval)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Department of Journalism**

Andrew Mendelson, Ph.D., Department Chair  
316 Annenberg Hall  
215-204-7433  
journ@temple.edu  
www.temple.edu/journalism/  

The curriculum for Journalism is based on developing critical thinking in students for a multimedia, urban journalistic environment. This requires a broad educational background coupled with rigorous professional training. The curriculum emphasizes subject matter from other disciplines, particularly those in the traditional liberal arts and sciences. The department also believes that effective writing is central to communication and is, therefore, integral to the department curriculum.

Students need to meet the department’s foundation requirements, as well as the requirements of their chosen sequence. The Journalism sequences are: Broadcast Journalism, Magazine, News-Editorial, and Photography for the Mass Media. A capstone experience, the Multimedia Urban Reporting Lab (MURL) combines community journalism with multimedia storytelling.

Students who major in Journalism enter a variety of careers, including those as broadcasters, online and news reporters, news producers and managers, photographers, radio and television anchors, and magazine writers and editors.

Although students must ultimately be responsible for their own academic programs, freshmen and first-semester transfer students will first meet with a School of Communications and Theater Academic Advisor. During the sophomore and junior years, a student must meet at least once each year with a faculty advisor who is knowledgeable about the sequence of study the student is following.
The department has a chapter of the national journalism and mass communication honor society, Kappa Tau Alpha. Additionally, every spring the department awards thousands of dollars in scholarships to deserving majors. Once a year, the department holds an induction ceremony for the outstanding majors and hosts a nationally-known speaker.

There are also active student organizations affiliated with national groups. Temple’s Journalism Department is one of the only two programs in Pennsylvania accredited by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC).

**Degree Requirements**

The degree of Bachelor of Arts may be conferred upon a student majoring in Journalism by recommendation of the faculty and upon satisfactory completion of a minimum of 126 semester hours of credit with a cumulative average of 2.0 overall and in the major.

Students must meet:

1. University Core requirements
2. School of Communications and Theater requirements
3. Major requirements in the department

**Requirements for the Major**

The following University-wide courses are required of Journalism majors, some of which also count toward the University Core Curricular requirements:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>1101</td>
<td>U.S. History to 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>U.S. History since 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Political Science</td>
<td>1101</td>
<td>The American Political System</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Political Science</td>
<td>2102</td>
<td>American State and Local Politics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>1176</td>
<td>Intro to Sociology</td>
<td>3</td>
<td>IN</td>
</tr>
</tbody>
</table>

**Plus one of the following:**

Economics 1001 Introduction to the Economy 3 IN
Economics 1101 Macroeconomic Principles 3 IN
Economics 1102 Microeconomic Principles 3 IN
Economics 1103 Global Economic Issues 3 IS

**Plus one of the following:**

Statistics 2101 Statistical Methods and Concepts 3 QB
Mathematics 1013 Elements of Statistics 3 QB
Psychology 1167 Foundations of Statistical Methods 3 QB
Sociology 1167 Social Statistics 3 QB

**Total** 21

Of the 126 semester hours required for graduation, at least 80 semester hours must be in courses outside Journalism; Broadcasting, Telecommunications, and Mass Media (BTMM); and Advertising; 65 of those credits must be in liberal arts and science courses. This limits to 15 the number of credit hours taken from Education, Business, etc. if the student plans to graduate with no more than 126 credits.

The remaining semester hours required outside the department may be taken in any department of the University except Business Education. The department also does not count towards graduation credits earned through Sec. Ed. 0317, Topical Studies, Military Science, or the Extern Program.

Only 8 semester hours will be accepted from Kinesiology courses. No more than 30 hours may be taken in any single CLA department or other SCT department without special written permission from the Department of Journalism. These requirements are to ensure a broad-based liberal arts education for each major.
Students required to take English 0701 must complete that requirement before enrolling in Journalism 1112.

**Specific Major Requirements**

To receive the degree of Bachelor of Arts, students must satisfactorily complete a minimum of 126 credit hours in the University with at least 35 credits in Journalism (depending on the sequence) but no more than 46 credits in Journalism; Broadcasting, Telecommunication and Mass Media (BTMM); or Advertising. Students are cautioned to plan their program so they do not exceed the 46-credit hour limit that is set by our accrediting body.

It is the student's responsibility to meet all course prerequisite requirements.

A maximum of 12 semester hours of Journalism-related coursework may be transferred from a program accredited by the Accrediting Council for Education in Journalism and Mass Communication. (This includes classes in public relations and advertising.) Students transferring from all other institutions will be allowed a maximum of 9 semester hours of Journalism-related transfer credit, including Journalism 1111 (Journalism and Society) and Journalism 1112 (Writing for Journalism). Under no circumstances will credit be allowed for duplicate courses.

The department does not award credit for academic or life experience. Students with extensive experience may present evidence and petition for a waiver of department course requirements.

Journalism majors must receive a grade of C or higher in all required department and sequence courses and must maintain a minimum GPA of 2.0 in the department as well as the 2.0 overall average required by the University to qualify for graduation. Students who fall below a 2.0 average for a semester, for all department courses or in their overall University courses, will be placed on probation or academic warning, the first step toward dismissal.

**Departmental Requirements for the Major**

<table>
<thead>
<tr>
<th>Foundation Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>JOURN</td>
<td>1111</td>
<td>Journalism and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td></td>
<td>JOURN</td>
<td>1112</td>
<td>Writing for Journalism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JOURN</td>
<td>1113</td>
<td>Audio/Visual Newsgathering Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JOURN</td>
<td>1114</td>
<td>Design for Journalism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>JOURN</td>
<td>2101</td>
<td>Electronic Information Gathering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JOURN</td>
<td>3196</td>
<td>Journalism and the Law</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>JOURN</td>
<td></td>
<td>Studies Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Capstone Course</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>JOURN</td>
<td>4101</td>
<td>Multimedia Urban Reporting Lab</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Sequence Requirements**

See individual Sequence sections

**Total Number of Journalism Credits required = 35-38, depending on sequence**

Note: Students placed into English 1001 must pass (with a C or better) the two-credit Mass Media Writing lab, JOURN 1101. Completion of JOURN 1111 and 1112 with grades of C or better is required before students enroll in any Journalism classes numbered higher than 1112.
Broadcast Journalism Sequence
Karen Turner, JD, Director
215-204-8386
kturner@temple.edu

Students who wish to make a career in broadcast news, as a reporter, anchor, news writer, or producer should follow this course of study:

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>2501</td>
<td>Broadcast News Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3501</td>
<td>Radio News Reporting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3502</td>
<td>Television News Reporting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3503</td>
<td>Advanced Broadcast Journalism</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recommended Electives</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>2551</td>
<td>Broadcast Performance</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3587</td>
<td>WRTI Radio News Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>4596</td>
<td>Production Practicum - Temple Update</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Magazine Sequence
Laurence Stains, Director
215-204-1844
lstains@temple.edu

Students who wish to pursue a career in the magazine industry should follow this course of study:

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>2301</td>
<td>Introduction to Magazines</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>2396</td>
<td>Magazine Article Writing</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>3301</td>
<td>Magazine Article Editing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3302</td>
<td>Advanced Magazine Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3303</td>
<td>Magazine Design</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

News Editorial Sequence
Linn Washington, JD, Director
215-204-2033
lwashing@temple.edu

This sequence of courses is designed for students who wish to become reporters, editors and managers of newspapers. Students are encouraged to emphasize political science, finance, urban studies and language studies in their choice of coursework outside of the department.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>2201</td>
<td>Public Affairs Reporting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>2202</td>
<td>Editing the News</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3201</td>
<td>Investigative Reporting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3885</td>
<td>Internship</td>
<td>1-3</td>
<td></td>
</tr>
</tbody>
</table>
Photography for the Mass Media Sequence
Edward J. Trayes, Ph.D., Director
215-204-8344
trayes@temple.edu

Students who wish to make a career as a newspaper or magazine photographer or as a photography editor, should follow this course of study.

### Required Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>3401</td>
<td>Photography</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3402</td>
<td>Photojournalism</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3403</td>
<td>Documentary Photography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3404</td>
<td>Photography Seminar I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3405</td>
<td>Photography Seminar II</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### Recommended Electives:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN</td>
<td>3707</td>
<td>Visual Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3451</td>
<td>Photographic Portfolio</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>JOURN</td>
<td>3482</td>
<td>Photography Special Projects</td>
<td>1-4</td>
<td></td>
</tr>
</tbody>
</table>

---

## New Media Interdisciplinary Concentration

The New Media Interdisciplinary Concentration in the School of Communications and Theater explores the expressive and communicative possibilities presented by digital media across the contexts of the established disciplines of advertising, broadcast, film, journalism, mass communication, public relations, and theater. NMIC seeks to facilitate students in both the development of a comprehensive understanding of the communication arts and an experiential exploration of the evolution of media traditions through new technologies.

The New Media Interdisciplinary Concentration is open to all SCT students. The goal of the curriculum is to provide an interdisciplinary approach to new media, exploring the creative ideas and collaborative opportunities that are emerging as new technologies evolve.

### Requirements for the Concentration

NMIC requires 20 credits for completion. These credits are taken in conjunction with the requirements of the student’s declared major.

- All courses must be passed with a "C."
- All prerequisites must be met, unless approved by the professor.
- Courses taken in the major may be used for both the NMIC concentration and the major.
- At least one elective must be taken outside of the major.
- Students must take at least two electives at the 3000/4000 level.

### The following courses are required for the NMIC concentration:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMIC</td>
<td>2001</td>
<td>Intro to Interdisciplinary New Media</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NMIC</td>
<td>2002</td>
<td>Introduction to Interdisciplinary New Media 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NMIC</td>
<td>4001</td>
<td>New Media Synthesis</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Students must choose 9 additional credits from NMIC Special Topics classes or media-based classes from all departments in the School of Communications and Theater that are approved by the Director of NMIC.
Students may also take approved New Media courses offered through Tyler School of Art, Boyer College of Music and Dance, and the College of Science and Technology. Students may petition the Director of NMIC to count other relevant courses towards the NMIC concentration.

Strategic & Organizational Communication

Aram A. Aghazarian, Chair
Weiss Hall 213
215-204-1882
aram.aghazarian@temple.edu
www.temple.edu/stoc/

The Department of Strategic and Organizational Communication educates students in the theory and practice of public communication and leadership, with the primary emphasis on communication and social influence or advocacy. The department’s three concentrations focus on persuasion, communication in organizations, and communication strategies for influencing internal and external audiences.

Summary of Requirements

The degree of Bachelor of Arts may be conferred upon a student majoring in Strategic and Organizational Communication by recommendation of the faculty and upon satisfactory completion of a minimum of 126 semester hours of credit with a cumulative average of 2.0 overall and in the major. Students must meet:

1. University requirements
2. School of Communications and Theater requirements
3. Major requirements in the department

Department Requirements

All majors must complete at least 36 credit hours in Strategic and Organizational Communication, including the department’s four core courses (12 hours). Students must earn a ‘C’ or better in the department’s four core courses and a ‘C’ or better in all other courses required for the major.

<table>
<thead>
<tr>
<th>STOC Major Requirements</th>
<th>(12 s.h.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Core Requirements</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
</tr>
<tr>
<td>STOC</td>
<td>1112</td>
</tr>
<tr>
<td>STOC</td>
<td>2111</td>
</tr>
<tr>
<td>STOC</td>
<td>2112</td>
</tr>
</tbody>
</table>

Department Concentrations

The department offers three concentrations: Organizational Leadership, Public Communication, and Public Relations. In addition to completing the department core, students must select a concentration and complete the concentration core, advanced courses in the concentration, and courses in the other two concentrations. Students may also be required to complete courses outside the department.

Organizational Leadership Concentration

The concentration in Organizational Leadership provides students with a thorough grounding in organizational and small-group communication. Students’ coursework in these areas will incorporate a special focus on both the theories and skills needed for the creation and maintenance of fruitful leader/follower relationships.

<table>
<thead>
<tr>
<th>Organizational Leadership Concentration</th>
<th>(39 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Core Requirements</td>
<td>(12 s.h.)</td>
</tr>
<tr>
<td>Concentration Core Requirements</td>
<td>(12 s.h.)</td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
</tr>
<tr>
<td>STOC</td>
<td>2661</td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>STOC</td>
<td>2662</td>
</tr>
<tr>
<td>STOC</td>
<td>3663</td>
</tr>
<tr>
<td>STOC</td>
<td>4879</td>
</tr>
</tbody>
</table>

**Required Courses in other STOC Concentrations**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2552</td>
<td>Introduction to Public Relations</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>STOC</td>
<td>3396</td>
<td>Analysis of Public Discourse</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Organizational Leadership Concentration Electives**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2671</td>
<td>Leading Mediated Groups &amp; Organizations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>2672</td>
<td>Global Communication &amp; Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>2696</td>
<td>Diverse Communication &amp; Leadership</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>STOC</td>
<td>3774</td>
<td>Communicating Organizational Change</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3775</td>
<td>Organization Networks &amp; Networked Organizations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>4670</td>
<td>Special Topics in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3796</td>
<td>Independent Research in Organizational Leadership</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>STOC</td>
<td>3685</td>
<td>Internship in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended Courses outside the department**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOD</td>
<td>1166</td>
<td>Interpersonal Communication through the Life Span</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2214</td>
<td>Conflict and Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AM ST</td>
<td>1042</td>
<td>Working in America</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>HIST</td>
<td>3811</td>
<td>World Economy since 1945</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>2501</td>
<td>Introduction to Human Resources Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MIS</td>
<td>2101</td>
<td>Principles of Information Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>1001</td>
<td>Philosophical Challenges to the Individual</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>POL SCI</td>
<td>3155</td>
<td>Business and Public Policy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC</td>
<td>2402</td>
<td>Foundations of Industrial and Organizational Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOC</td>
<td>3596</td>
<td>Sociology of Organizations</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Special Topics and Independent Study**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>3670</td>
<td>Special Topics in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>4670</td>
<td>Special Topics in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3782</td>
<td>Independent Study in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3796</td>
<td>Independent Research in Organizational Leadership</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>STOC</td>
<td>3685</td>
<td>Internship in Organizational Leadership</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Public Communication Concentration**

The Public Communication concentration provides students with theory and practice in social influence. Students learn theories of advocacy in a variety of settings, gain experience in critical analysis of persuasive messages, and develop skills in creating strategic communications.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2296</td>
<td>Campaigns &amp; Movements</td>
<td>3</td>
<td>WI, AC, RS</td>
</tr>
<tr>
<td>STOC</td>
<td>2222</td>
<td>Argumentation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3323</td>
<td>Political Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3333</td>
<td>Rhetorical Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3396</td>
<td>Analysis of Public Discourse</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>STOC</td>
<td>4839</td>
<td>Seminar in Public Communication (capstone)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses in other STOC Concentrations**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2661</td>
<td>Introduction to Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2662</td>
<td>Leading Groups and Team Building</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2552</td>
<td>Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>4440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Recommended Courses outside the Department**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOD</td>
<td>2214</td>
<td>Conflict &amp; Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>1062</td>
<td>Morality and the Law</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>POL SCI</td>
<td>2103</td>
<td>U.S. Public Policy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POL SCI</td>
<td>3151</td>
<td>Public Policy Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2012</td>
<td>Literature and Criticism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3811</td>
<td>Theories of Discourse</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HRM</td>
<td>3501</td>
<td>Power, Influence, &amp; Negotiation</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Special Topics, Independent Study, and Internships**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>3220</td>
<td>Special Topics in Public Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>4220</td>
<td>Special Topics in Public Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3282</td>
<td>Independent Study in Public Communication</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3382</td>
<td>Independent Study in Public Communication</td>
<td>1-3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>3385</td>
<td>Internship in Public Communication</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Public Relations Concentration**

Public Relations is about using communication techniques to influence behavior and attitudes. The concentration combines public relations classes with requirements in public speaking, leadership, persuasion, and communication theory, and is satisfied through completion of 36 semester hours in the major.*
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>4859</td>
<td>Public Relations Management &amp; Problems (capstone)</td>
<td>3</td>
</tr>
</tbody>
</table>

*Required course for all PR majors. Prerequisite for STOC 2551, 2552, 3543, 3596, and 4859. May take concurrently with STOC 2551 and 2552 with special permission.

+Transfer students whose previously accepted credits do not meet this requirement may take concurrently with STOC 2551 and 2552 with special permission.

### Required Courses in other STOC Concentrations

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2661</td>
<td>Introduction to Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2662</td>
<td>Leading Groups &amp; Team Building</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2672</td>
<td>Global Communication &amp; Leadership</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3774</td>
<td>Communicating Organizational Change</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2296</td>
<td>Campaigns and Movements</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>2222</td>
<td>Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3323</td>
<td>Political Communication</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3333</td>
<td>Rhetorical Theory</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3396</td>
<td>Analysis of Public Discourse</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>POL SCI</td>
<td>1101</td>
<td>The American Political System</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

### Recommended Courses outside the department

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journalism</td>
<td>3196</td>
<td>Journalism and the Law</td>
<td>3</td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>POL SCI</td>
<td>1101</td>
<td>The American Political System</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

### Special Topics, Independent Study, and Internships

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>2440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>4440</td>
<td>Special Topics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3483</td>
<td>Directed Readings in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3582</td>
<td>Independent Study in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>STOC</td>
<td>3585</td>
<td>Internship in Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

### Theater

Roberta Sloan, Ph.D., Chair  
Tomlinson Theater 210A  
215-204-8418  
rsloan@temple.edu

Kimmika Williams-Witherspoon, Ph.D., Undergraduate Advisor  
Tomlinson Theater 200
The Theater Department is accredited by the National Association of Schools of Theatre (NAST) and is a member of the United Resident Theatre Association (U/RTA). These affiliations characterize it as amongst an elite group of highly recognized Theater Programs. The Theater Department is ranked among the top twenty-five theater programs in the nation by the U.S. News & World Report's recent rankings.

The undergraduate curriculum in theater is designed to provide the highest quality professional training within a rigorous comprehensive liberal arts setting. Through the study and practice of the arts, craft and scholarship of theater, we aspire to instill in our students a passion for artistic leadership, creative communication and lifelong learning. We are committed to being a vital cultural force in the diverse community of Temple University, the Philadelphia region and the world.

Our department strives to be characterized by professional excellence, academic depth and breadth, community involvement and international engagement. Students are challenged to learn and create in a wide variety of classroom and production situations. Opportunities are plentiful on campus, in the community and in Philadelphia, one of the most important of America's theater centers.

As a theater department in the heart of a culturally rich urban setting, Temple University's Theater Department is immersed in and among some of the most important regional and national theaters in the country. This bountiful artistic environment benefits our undergraduate students. There are many theater professionals on faculty and who serve as guest artists, advisors, mentors and collaborators. Temple graduates are involved in nearly every major theater endeavor in the Philadelphia metropolitan area.

The objective of the undergraduate curriculum is to develop within students the creative, cognitive, communication and entrepreneurial skills that will prepare them as citizens of the world and artists contributing to the development of the future of theater in the 21st century. We hope to inspire our students to fulfill their creative potential within an ever more interdisciplinary artistic environment that is responsive to tomorrow's marketplace and the future needs of our multiple communities.

The undergraduate curriculum is intended to combine outstanding liberal arts classes with intensive theater studies. The department requires that all undergraduate students take a foundation of broad-based theater classes and also have the opportunity for more specialized theater studies as they progress through the program. Students also participate in the extensive department production programs. These opportunities onstage, front of the house, and backstage are a natural and important extension of classroom work.

The successful student graduates from the program with excellent communication skills, a broad-based liberal arts background, developed abilities within the discipline of theater, the appreciation of a commitment to artistry, and the life-learning capacities that will enable success in a wide variety of future endeavors. Our alumni are not only successful artists in theater and all of the entertainment industries, but they are also leaders in many other fields.

Faculty Advising and Mentoring
Advising is an important part of the education of students in Theater. Undergraduate majors are first assigned to the School of Communications and Theater Academic Advising Center and later to a Theater Faculty Advisor within the department. Students are encouraged to consult their advisor on academic matters. In addition to assigned advisors, the chair of the department maintains an open-door policy, and other members of the faculty and staff are happy to mentor students who seek their advice regarding production experiences and career objectives.

Summary of Requirements for the Degree of Bachelor of Arts in Theater
The Bachelor of Arts degree in Theater may be conferred upon a student by recommendation of the faculty and by satisfactory completion of a minimum of 126 credit hours. Students must complete:

- University graduation requirements, including successful completion of the University Core Curriculum.
- Theater Department foundation courses with a grade of C or better in each course.
- Completion of a minimum of 55 semester hours outside of the School of Communications and Theater.
- No more than 20 credits of work in the major field may be transferred from another institution. Students must complete at least 16 semester hours in Theater courses at Temple University.
- All Theater majors must pass the placement tests in English and mathematics. A student who fails any one of these tests must successfully complete English 0701 and the required mathematics course(s).
Theater Foundation Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>1003</td>
<td>Creativity: Basic</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>1096</td>
<td>Introduction to Theater Process</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Theater</td>
<td>1231</td>
<td>Introduction to Acting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>1411</td>
<td>Technical Theater Production</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2411</td>
<td>Introduction to Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3001</td>
<td>Theater History I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3002</td>
<td>Theater History II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4097</td>
<td>World of the Play</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Theater</td>
<td>1087</td>
<td>Production Practicum (1 s.h. each semester the student is enrolled as a major.)</td>
<td>Up to 8</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>Elective</td>
<td>One course (may also satisfy the University Core Curriculum Arts requirement.)</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Required Elective</td>
<td>One course in non-dramatic literature</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required Elective Concentration</td>
<td>9 semester hours in any one department or interdisciplinary study approved by Theater Department Advisor and Chair.</td>
<td>9*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** * The concentration may include the required course in art history or the required course in non-dramatic literature. It may not include English 1002, 1012 or 1022.

Theater Majors are advised to select courses that will best prepare them to succeed in the future. Toward this end, three sequences (formerly Emphasis Areas) are recommended: the Theater Studies Sequence, the Acting Sequence, and the Design/Technology Sequence.

**Theater Studies Sequence**

The Theater Studies Sequence (formerly General Theater) prepares students to enter graduate programs or pursue careers in theater, other entertainment industries, or other fields. It is within this sequence that entrepreneurial students, the student who wishes to explore future interdisciplinary linkages, or those most interested in directing and/or playwriting, might best fit. The student who follows the Theater Studies Sequence may select any courses offered by the department as long as required prerequisites are completed with applicable proficiencies as indicated in some courses, by a grade of B or better. The student is encouraged to select courses that will support vocational and artistic goals. Theater Department Faculty Advisors and Mentors will help Theater Studies Sequence students to select courses, both in the department and within the University, which will be most beneficial towards achieving future aspirations. Courses that might be of particular interest are:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>1008</td>
<td>Poetry as Performance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2210/3080</td>
<td>Special Topics</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3012</td>
<td>American Musical Theater</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3301</td>
<td>Introduction to the Director’s Art</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3801</td>
<td>Playwriting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4003</td>
<td>Production Dramaturgy</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4221</td>
<td>Theater as a Profession</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Acting Sequence**

The Acting Sequence prepares students to enter graduate Acting Programs or pursue professional careers in theater, television and film. The course work provides the highest caliber of training possible with the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes in acting, combined with experiential work in minimalist to full-scale productions, students develop a passion for what will become their artistic leadership and an understanding of creative communication that will continue with them throughout their lives.

**Notes:**

1. In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.
2. In order for the student to take Acting courses beyond Theater 2261 (Basic Acting Technique), qualifying through an audition process is required.
3. Voice, Movement, and Speech, and some Acting classes may be repeated for credit.
4. Performance courses are available to those students electing the Acting Sequence and to other students in the department who meet the prerequisite requirements.
5. Certification officials from the Society of Fight Directors are invited to the final projects of other Stage Combat classes, and many students receive certification in various combat specialties.

**Acting Sequence Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>2221</td>
<td>Voice for the Actor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2231</td>
<td>Speech for the Actor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2241</td>
<td>Basic Movement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2261</td>
<td>Basic Acting Technique</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3271</td>
<td>Intermediate Acting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4211</td>
<td>Advanced Acting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4221</td>
<td>Theater as a Profession</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4299</td>
<td>Thesis: Acting Emphasis</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Performance Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>2251</td>
<td>Movement for the Actor I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2252</td>
<td>Movement for the Actor II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2271</td>
<td>Speech for the Actor/Dialects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3210</td>
<td>Theater Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3220</td>
<td>Theater Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3241</td>
<td>Stage Combat</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3278</td>
<td>Acting for Film &amp; TV</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4241</td>
<td>Advanced Stage Combat</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Design/Technology Sequence**

The Design/Technology Sequence prepares students to enter graduate Design or Technology Programs or pursue professional careers in theater, television and film. The course work provides the highest caliber of training possibilities within the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes in design and technology, combined with hands-on work with creative teams for full-scale productions, students develop a passion for what will become their artistic leadership and an understanding of creative communications that will continue with them throughout their lives.

**Note:** In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.

**Design Studies Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>2421</td>
<td>Creative Sound Technique</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2441</td>
<td>Stage Management I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2611</td>
<td>Make-Up</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2711</td>
<td>Drawing Rendering Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3421</td>
<td>Technical Directing for Theater</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4221</td>
<td>Theater as a Profession</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Scene Design Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
Theater 2721 Scene Design I 4
Theater 4721 Scene Design II 4
Theater 3431 Scene Painting I 3
Theater 3432 Scene Painting II 3

Costume Design Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>2612</td>
<td>Costume Design I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4611</td>
<td>Costume Design II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3611</td>
<td>History of Costume</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3621</td>
<td>Costume Production</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3622</td>
<td>Draping &amp; Flat Pattern Drafting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Lighting Design Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>2511</td>
<td>Introduction to Lighting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>2512</td>
<td>Lighting Design for Theater</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>4511</td>
<td>Creativity in Lighting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Requirements for a Minor in Theater

The Theater Minor is designed for those students who have an interest and/or talents in the Theatrical Arts, but who do not wish to pursue Theater as a career. Twenty credit hours of course work are required.

Notes:
1. Transfer credits are not accepted for credit towards a minor in Theater.
2. Students must receive permission of their advisor before beginning this program.
3. Once the minor has been approved, students must follow the academic rules of the department for all theater courses.
4. Credit towards the minor is not given for theater grades below C.
5. Students must maintain at least a 2.0 GPA in the minor.
6. Students with theater averages under 2.0 for more than two semesters may be dropped from the program.
7. Students with averages under 2.0 may not begin the program.
8. The Theater Minor student should collaborate with a Theater Department Advisor in the selection of course work.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theater</td>
<td>1002</td>
<td>The Collaborative Art</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Theater</td>
<td>1096</td>
<td>Introduction to Theater Process</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Theater</td>
<td>1087</td>
<td>Production Practicum (2 Semesters)</td>
<td>1/1</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>3096</td>
<td>The Classical Tradition</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>3097</td>
<td>The Romantic Tradition</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>3051</td>
<td>Modern Directions</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theater</td>
<td>Electives</td>
<td>3 courses for 3 credits each</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

COLLEGE OF EDUCATION

Founded 1919

Kent McGuire, Dean
150 Ritter Annex
1301 Cecil B. Moore Avenue

© 2007, Temple University. All rights reserved.
Mission Statement
The College of Education at Temple University believes that education improves the lives of children and their families. By ensuring access to high-quality education and empowering all students with the tools they need to achieve, the education profession protects our democratic institutions and promotes social justice. The College of Education aims to play a critical role in promoting educational opportunity both locally and nationally.

As a result of its strategic location in North Philadelphia and its long-term history of collaboration with the School District of Philadelphia, the College of Education is uniquely situated to impact educational practice in city schools. The preparation of teachers, administrators and other school professionals to improve the quality of education, especially in urban settings, remains a core activity of the College.

College faculty conduct and promote research that addresses significant issues of national importance that have immediate practical applications. They investigate problems, evaluate strategic responses to those problems and provide evidence for new practice.

History
While the official date for the founding of the College of Education is usually given as 1919, the College has included teacher preparation as part of its curricula almost from its inception. It is clear from Temple's history that the unofficial founder of the College was Laura Carnell, who began a program for the preparation of kindergarten teachers as early as 1895. This preparation program was expanded into elementary and then secondary areas largely in response to the Philadelphia School District's decision that higher positions in the City's school system would be open only to those with a college degree. In response to this need, the College began offering two, three, and four-year programs to teachers, as well as extension work, day and evening courses, five days a week and on Saturday mornings. This intimate relationship between the College and the School District of Philadelphia characterizes almost all of the College's history. The College was one of the first institutions to schedule courses so that teachers could take them after school hours. Programs of graduate study at the master's level were introduced in 1923, with the Doctor of Education being first awarded in 1931.

The first dean of the College was George Walk, who took over "Teachers College" in 1919 from Laura Carnell (the official name was changed to the "College of Education" in 1960). At present, there are three departments in the College: Curriculum, Instruction, and Technology in Education; Educational Leadership and Policy Studies; and Psychological Studies in Education.

Historically, Temple's College of Education has had a significant impact on local and regional practice. It has always been the largest college of education in the region and one of the largest in the country. The College continues to be the major provider of teachers for the Philadelphia School District and for many suburban districts. Many principals and superintendents of the neighboring regions have received their degrees from Temple. Many of the school psychologists, counselors, educational researchers, and other education professionals have been prepared at Temple. In a very real sense, the College of Education has helped to shape the educational direction of the region.

Accreditation
Undergraduate programs in the College of Education are designed for a multitude of professional applications. While a majority of its students seek certification to teach in elementary and secondary schools, the College also has programs that prepare athletic trainers, exercise scientists, and those who seek to work in educational settings in business and industry. The Pennsylvania Department of Education approves programs leading to certification. The Pennsylvania Department of Education maintains reciprocity agreements with many of the states in the region. The College of Education is a Member of the Holmes Group, the American Association of Colleges for Teacher Education, the Association of Colleges and Schools of Education in State Universities and Land Grant Colleges, the Pennsylvania Association of Colleges and Teacher Educators, and the University Council for Educational Administration. All College of Education teacher education programs are accredited by the National Council for Accreditation of Teacher Education.

Admissions
Students are considered for admission into the College of Education upon meeting University criteria. Note, however, that admission to the College of Education does not assure admission to a teacher certification program.
To be admitted to a teacher certification program, students must satisfy the following requirements:

- Complete a minimum of 48 semester hours with a minimum overall GPA of 3.0.*
- Complete the University Core requirements, including 6 credits of mathematics and 6 credits of English (one course in English composition and one in English literature).
- Receive a grade of C or higher in courses required for the undergraduate degree at Temple.
- Receive passing scores on the Praxis I, the Pre-Professional Skills Test (PPST), in the areas of Reading (0172), Writing (0173), and Mathematics (0173). (Note: Students are required to pass with these scores in the state of Pennsylvania. Different states have different passing scores.)
- Pass a speech assessment (certified clinician; standards-based).
- Pass with a C+ or higher in the general professional education courses: EDUC 1322 and EDUC 2289 or 2489 (for Elementary Education/Special Education majors).

Students must be admitted to a certification program in order to enroll in the professional certification sequence and student teaching.

* Twelve of these credits must be taken at Temple. Students must also have completed 12 credits of coursework in education.

**Transfer Students**

Students who wish to transfer to the College of Education from another institution must be admitted through the Temple University Office of Undergraduate Admissions. Transfer credits will be evaluated in the Admissions Office in accordance with College of Education and University policy.

**Changes in Program Requirements**

Students should be aware that a major revision of most undergraduate teacher certification programs occurred for students admitted to the College of Education after July 1, 1999. In addition, the Special Education curriculum underwent further revisions in 2003. These changes have been reflected in this Bulletin. Students are encouraged to check with the Office of Student Services, or with the Department of Curriculum, Instruction and Technology in Education, to verify the requirements that pertain to their specific case. In addition, students should check the Web version of the Undergraduate Bulletin for the most current information about College of Education program requirements at the Program Descriptions section, or the College of Education's website at www.temple.edu/education.

Students admitted into the College of Education prior to July 1, 1999, and who have been continuously enrolled, are affected by the requirements in place when they were admitted.

**Financial Aid, Scholarship Information**

Also see Financial Aid

**Special Scholarships and Aid**

**The Mario D. Fantini Scholarship** - This is an annual scholarship renewable each year, leading to the bachelor's degree. The recipient must maintain a 3.0 GPA to be eligible for renewal each year. Bill Cosby, a University Trustee, established the scholarship with his wife, Camille, in memory of Mario D. Fantini, distinguished educator and alumnus of the University. The scholarship is designed to produce persons of excellence, committed to educational excellence for others, who transcend artificial barriers to make a difference in education. All applicants must be graduates of South Philadelphia High School and must be pursuing a career in education. The first Fantini Scholarship was awarded in 1990, for up to four years. The recipient was selected by the President of Temple from recommendations sent to a Temple scholarship committee. The faculty of South Philadelphia High School makes nominations for the scholarship. Applications may be obtained from the guidance counselors at the high school. Students who are interested in this scholarship should contact the Dean of the College of Education.

**Benjamin Rosner Memorial Loan Fund** - Short-term emergency loans are available to undergraduate and graduate students who are degree candidates. Information and applications are available in the Advising Office, Ritter Annex, Room 238.
Dr. Alfred and Shirley Freeman Scholarship - Established in 1998 by Alfred (CLA ’49, MED ’53) and Shirley (EDU ’47) Freeman to provide scholarships for junior or senior students majoring in elementary education who have demonstrated academic achievement and financial need.

Dr. Mildred Rice Jordan Scholarship - Established in 2002 by Mildred Rice Jordan, (EDU ’65, ’89) to provide scholarships for students who have a desire to teach in an urban school district.

Dalibor W. Kralovec Scholarship - Established in 1999 by a bequest from Olga Kralovec to provide scholarships for junior or senior students in the College of Education who have demonstrated academic achievement and financial need.

Dr. Margaret J. Messinger Scholarship - Established in 1999 by LeRoy J. Messinger (CLA ’62) to provide scholarships for undergraduate students in the College of Education and graduate students in educational or school psychology who have demonstrated academic achievement and financial need.

Jane Adams Scholarship in Education Fund - Established in 2004 by the Andrew Allen Charitable Foundation to provide scholarships for students with an interest in embarking upon a career teaching special education.

Kenneth Brennen Scholarship Fund - Established in 2002 by Kenneth Brennen (CLA ’62, ’66) to provide scholarships for secondary education majors who are pursuing teacher certification in physics or chemistry and who demonstrate financial need.

Comcast-Central High School Endowed Scholarship Fund - Established in 2001 by Comcast Cable Communications, Inc., to provide scholarships for students who have demonstrated academic achievement and financial need, with preference to graduates of Central High School who have demonstrated a commitment to teach at least three years in the School District of Philadelphia.

Robert J. Flynn Endowment Fund - Established in 2000 by Robert J. Flynn (EDU ’54) to provide scholarships for students who have demonstrated academic achievement and financial need.

Eva and Nathan Garfinkle Endowment Scholarship Fund - Established in 1988 by the family of Eva (EDU ’33) and Nathan (EDU ’31) Garfinkle to provide scholarships for junior or senior education majors who are pursuing a teaching or leadership career and have demonstrated academic achievement and financial need.

Bernard and Marie Granor Endowment Fund - Established in 1999 by Granor’s children Bernard (CLA ’51, LAW ’53) and Marie Brichta (EDU ’52) in honor of their 45th wedding anniversary, to provide an award for one or more undergraduate education majors for the purpose of purchasing books and/or other required course materials.

Edna R. Green Scholarship in Education Fund - Established in 2003 by Edna R. Green (EDU ’34), to provide scholarships for secondary education students with financial need who plan to teach general science, chemistry or physics with preference given to graduates of the Philadelphia High School for Girls.

Emma Johnson Scholarship Fund - Established to provide scholarships for students majoring in elementary education.

Dilys Martha (EDU ’56) and Martha Ann Jones Scholarship Fund - Established in 1996 by David T. Jones to provide scholarships for students in the College of Education who have demonstrated academic achievement and financial need.

Schlimm Family Endowed Education Scholarship Fund - Established in 2000 by Loraine Schlimm (EDU ’33) and Roxanne Schlimm (SM ’34) to provide scholarships for current freshmen or incoming students who have demonstrated academic achievement and financial need, with preference given to graduates of Philadelphia High School for Girls.

Professional Programs and Teacher Certification:

Professional Educator Programs
The College of Education strives to prepare caring, competent, and qualified professionals for educational settings. Aspiring teachers must know the content they will teach, know how to teach the content, and meet high standards of teacher professionalism. To this end, programs in the College of Education are conceptualized around the notion of valuing the diversity of individual learners. We believe in the inherent worth of learners and that in schools and classrooms, as in society, diversity is a resource for learning, not an obstacle to be overcome. The diversity of learners is addressed through the following:

© 2007, Temple University. All rights reserved.
Imparting a thorough knowledge of subject matter and familiarity with the pedagogy, educational technology, and competencies essential to professional practice;

- Contributing to the development of the scientific aspect of education through emphasis on the spirit of inquiry and development of research skills;

- Promoting improvement in education as a field of both theoretical and applied scholarship;

- Evolving such types of preparations as shall ensure the broadest possible social as well as academic and professional education in a dramatically-changing world;

- Developing educational personnel able to contribute effectively in a pluralistic society;

- Discovering, through research by students and faculty, new knowledge in the field of education.

**Teacher Certification**

Temple provides a variety of ways to obtain certification to teach in public elementary and secondary schools. The major routes to certification are as follows:

**Through undergraduate programs in the College of Education:** Students who have met the University's admission criteria can request matriculation in the College of Education. There are four broad categories of teaching certificates offered through the College: Elementary Education (for teaching in elementary schools through the sixth grade); Secondary Education (in English, Foreign Language, Mathematics, Science, or Social Studies); and Career and Technical Education (formerly Vocational/Technical Education). Students who are in the Elementary Education Program must also choose an additional area of certification in either Early Childhood Education or Special Education.

**Through the Five-Year Master's/Teacher Certification Program:** Students who meet specific admissions criteria may be conditionally admitted into the Graduate Certification Program while still undergraduates. The Five-Year Program offers the opportunity for undergraduates from other colleges to obtain an undergraduate degree in their content area while simultaneously pursuing a master's and secondary teaching certification. Qualified students who are accepted into this competitive program enroll in graduate-level courses beginning in the fall semester of the junior year. Upon successful completion of the undergraduate degree, students make a seamless transition into graduate studies in the College of Education for one additional year. After satisfying all graduate program requirements, students are awarded a Master's in Education with teacher certification.

**Through the Graduate Certification Program in the College of Education:** Students who have a bachelor's degree from an accredited university in a field outside of education may earn an Intern and an Instructional I certificate in our post-baccalaureate program and a master of education degree. Programs are available in Elementary, Secondary, Special Education, and Career and Technical Education. In some cases, prerequisite courses are required.

**Through undergraduate and graduate programs in other colleges:** Certification in a variety of areas outside of those provided through the College of Education or through the Five-Year Teacher Certification program is provided by several other colleges. These include:

- Art - through the Tyler School of Art
- Health and Physical Education - through the College of Health Professions
- Music - through the Boyer College of Music and Dance
- Speech - through the School of Health Professions

Students who are interested in any of these certificates should contact the Dean's office in the appropriate college. Information about all programs leading to certification can be found in the appropriate sections of this Bulletin and are indexed.

The College of Education offers an array of post-baccalaureate programs. See the Graduate Bulletin for more information.

**Academic Advising Information**

Patricia Louison, Director of Undergraduate Studies
215-204-8011
Patricia.Louison@temple.edu
The College of Education aims to provide the best possible direction and advice to all of its students. Through electronic inquiries as well as through regular, face-to-face appointments, the College tries to ensure that every student has the necessary resources to make good decisions about his/her academic program.

The advising office conducts large-group orientations for students and their families, assists students in choosing and registering for courses, evaluates students for teacher candidacy, assists students who are having academic or procedural problems, and offers direction and advice at every step of the way.

Upon enrolling in the College of Education, every student is assigned an academic advisor by the advising office. After students have been admitted to a teacher certification program, they are assigned a faculty advisor. It is strongly recommended that students meet with their advisors at least once each semester. Academic difficulties should be discussed immediately with an advisor.

**Academic Policies and Regulations**

Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions, most of them related to state requirements for teacher certification, appear below.

**Grades in Professional Education Courses**

All professional education courses must be completed with a grade of C or higher, with the exception of EDUC 1322 and EDUC 2255, which require a C+ or higher. Students must be aware, however, that the State of Pennsylvania requires a minimum GPA of 3.0 for teacher certification. For this reason, obtaining the minimal grade of "C" will typically not be sufficient to obtain certification.

**Courses Inapplicable to Certification**

Specific courses are required in order for students to be endorsed for state teacher certification. It is possible, for example, that a student may have accumulated enough credits to graduate but not have the appropriate courses to be recommended for certification. This is one of the reasons why it is mandatory to meet with an academic advisor at least once per semester.

**Courses Inapplicable to Graduation**

Credits from ROTC and preparatory courses do not count towards the total of 128 s.h. needed to graduate.

**Courses Over Five Years Old**

Courses over five years old are subject to review to fulfill certification requirements.

**Graduation without Certification**

In rare instances, a student who is unsuccessful in meeting certification program requirements or who has less than the required grade point average(s) may be graduated without certification, provided that selected additional requirements are met as recommended by the academic advisor and approved by the department chairperson and the Associate Dean.

**Transfer within the College of Education**

Students must be in good academic standing in their program to transfer to another program within the College of Education. (To transfer to another program within the College of Education, a student must complete a Declaration of Change of Concentration form. This form is available in the Student Resource Center – Ritter Annex 150 -- and must be submitted, upon completion, to the Advising Office.)

**College Graduation Requirements**

**Requirements for the Degree of Bachelor of Science in Education**

Students receive a bachelor of science in education degree with a recommendation to the state for teacher certification upon the successful completion of a minimum of 128 semester hours with a minimum cumulative GPA of 3.0. These credit hours are satisfied by taking courses in three categories: (1) University Core; (2) Professional Education core; (3) Certification Courses (including student teaching) and program requirements.
In addition to fulfilling the University core requirements, all undergraduate students in the College of Education must complete the Professional Education course sequence. These courses are listed below:

<table>
<thead>
<tr>
<th>Bachelor of Science in Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Course Sequence</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America</td>
<td>3</td>
<td>AC, WI</td>
</tr>
<tr>
<td>Education</td>
<td>1322</td>
<td>The Developing Individual Across the Lifespan</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1255</td>
<td>Inclusive Education for a Diverse Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>2205</td>
<td>Curriculum Instruction and Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>2306</td>
<td>Assessment and Evaluation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>2224</td>
<td>Service Learning</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>2289 or 2489*</td>
<td>Field Experience: Managing the Contemporary Classroom</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>2255</td>
<td>Effective Use of Instructional Technology in Classrooms</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>23–24</td>
<td></td>
</tr>
</tbody>
</table>

Note: Ed 1322 and Ed 2255 must be passed with a C+ or better.  
* Elementary Education/Special Education students must take this course instead of Education 2289.

Other Requirements for College of Education Students

In addition to taking the required courses above, all students seeking teacher certification through the College of Education must meet the following state requirements.

Composition/Writing and Literature:
All students must take 6 credits of English, 3 in composition/writing and 3 in literature.

Mathematics/Statistics/Logic:
All students must take two college-level mathematics courses.

Professional Certification

Areas of Certification
All curricula leading to Commonwealth certification are organized to meet the standards established by the Pennsylvania Department of Education. Certificates for which Temple University, College of Education, undergraduate students may be recommended include the following:

- Art Education (See Tyler School of Art)
- Early Childhood Education
- Elementary Education
- Health and Physical Education
- Music (See Boyer College of Music and Dance)
- Secondary Education
  - English
  - Foreign Language
  - French
  - German
  - Hebrew
  - Italian
  - Latin
  - Portuguese
  - Spanish
  - Mathematics
  - Science
  - Biology
  - Chemistry
  - Earth and Space Science
  - General Science
  - Physics
  - Social Studies

© 2007, Temple University. All rights reserved.
Requirements for Certification
Graduation from the College of Education does not carry automatic endorsement for state certification. Students must complete all the requirements for teacher preparation, including student teaching; maintain a 3.0 GPA; and pass all required performance assessments (see below).

In addition, all students seeking certification are required by the State of Pennsylvania to pass the relevant parts of the Pennsylvania Teacher Certification Testing Program in order to be eligible for teacher certification. The required tests include the Praxis I and Praxis II series. Students should check with the Student Resource Center for the current regulations.

Students not obtaining Pennsylvania State Teacher certification within five years of completing their programs must take additional coursework before the College of Education will recommend them for certification.

Diagnostic Speech Assessment
Candidates for teacher certification are given a diagnostic speech assessment. Additional diagnostic testing may be required, and corrective actions may be taken, to remediate problems. Decisions about remedial efforts and student eligibility to continue in a program will be determined by the Department Chairperson of the department in which the student is enrolled and approved by the Associate Dean of the College of Education.

Clinical Experience: Practicum and Student Teaching
The College places a great deal of emphasis on students' in-school experiences. All undergraduates are required to complete courses that place them in school settings one half-day or more each week. Student teaching, generally completed in a student's final semester, constitutes the most important field experience for prospective teachers. Application for student teaching placement must be made the semester prior to student teaching.

Performance Assessment
In addition to the teacher certification tests (Praxis I and Praxis II tests) required by the Pennsylvania Department of Education, students are required to complete three performance assessments in order to gauge the extent to which they (a) know the content they will teach, (b) can teach the content, and (c) embody the professional attributes required of professional educators. The performance assessments occur at three points in the undergraduate program: initially when prospective students are being admitted to certification programs (candidacy); in the junior year, prior to student teaching (intermediate assessment); and before graduation, while student teaching (senior assessment). In addition to assessing and informing candidates about their teaching, the performance assessments are intended for use by faculty as a tool for program evaluation.

Professional Education Portfolio
After being admitted to a teacher certification program and for the duration of the degree program, students will be required to maintain a professional education portfolio in either electronic or hard copy form. Faculty will use the portfolio to complement the performance assessment activity described above. The specific requirements for the portfolio will be available from the student's faculty advisor.

Contact Information

Office of Undergraduate Studies
Dr. Patricia Louison, Director
215-204-8011
Patricia.Louison@temple.edu

Student Resource Center
College of Education
150 Ritter Annex
1301 Cecil B. Moore Ave.
Academic Advisors

• Nita Guzman, Associate Director and Senior Advisor
  215-204-6081
  nguzman@temple.edu

• Herb Isakoff
  215-204-5635
  hisakoff@temple.edu

• Jeannette Perez
  215-204-3867
  jeannette.perez@temple.edu

Contacts and Directories

Directories include name, department, office location, phone number, and preferred e-mail. The directories also include links to résumé/CV where available.

- Office of the Dean (www.temple.edu/education/dean/index.html)
- Faculty Directory (www.temple.edu/education/contact/faculty.html)
- Staff Directory (www.temple.edu/education/contact/staff.html)
- Offices and Centers (www.temple.edu/education/contact/offices.html)
- Ombudsperson (www.temple.edu/education/contact/ombud.html)

If you can't locate the information you need, click on Contact Us (www.temple.edu/education/contact/form.html) and send us an inquiry via the online form.

Faculty

For a listing of College of Education faculty, go to www.temple.edu/education/contact/faculty.html.

Applied Communication for Professional Educators

Offered as a program within Adult and Organizational Development (AOD)

Joseph Folger, Coordinator
215-204-1890
joseph.folger@temple.edu

This degree prepares students who are interested in a career in education and training, but who are not planning to pursue a conventional teacher certification track. Students in this major are provided with critical knowledge and skills in how to construct and facilitate effective learning and change processes in organizational, community, and professional contexts. Students who complete this degree pursue careers in adult learning, training and development, organizational consulting, mediation and conflict intervention, management, and educational/community leadership.

Requirements

• Must complete 33 credit hours in the major.
Complete the following course requirements in Adult and Organizational Development (AOD).

### Required Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOD</td>
<td>1096</td>
<td>Introduction to Communication for Educators</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>AOD</td>
<td>1166</td>
<td>Interpersonal Communication through the Life Span</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2115</td>
<td>Conflict Resolution in Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2176</td>
<td>Team Process in Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2201</td>
<td>Research Methods in Applied Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2214</td>
<td>Conflict and Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>2215</td>
<td>Mediation: Principles and Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>3304</td>
<td>Organizational Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>3316</td>
<td>Negotiation Processes</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>3376</td>
<td>Facilitating Group Decision-Making</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AOD</td>
<td>4396</td>
<td>Field Research: Practice in Professional Settings</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>33</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Career & Technical Education

Dr. Thomas J. Walker, Program Director  
Ritter Hall 338  
215-204-8374  
tjwalker@temple.edu  

Mrs. Joy Barcus, Undergraduate contact  
Ritter Hall 346  
215-204-8376  
joybarcus@comcast.net  

Career and Technical Education programs prepare teachers for secondary, K-12, and post-secondary classrooms in the fields of business, marketing, health occupations, gainful home economics, industrial occupations, and off-farm agriculture.

### Business, Computer, and Information Technology Education

Dr. Victor Gbomita, Program Advisor  
Ritter Hall 360  
215-204-6226  
vgbomita@temple.edu  

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section in this Bulletin.

This curriculum is designed to prepare students who expect to teach business subjects in K-12 and the junior college level in public and private schools. Subject area content and professional education content are combined with general education content in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that business education bears to education as a whole.
Prior to enrolling in Student Teaching (Student Teaching in Sec Ed 4688), BCIT students must have completed (with a 3.0 cumulative average) the business education, career and technical education, and professional course sequence requirements as well as academic specialization.

**General Studies, Pre-Professional Course Sequence & Core Requirements**

Several restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English 2596 (Writing for Business and Industry) as an additional Writing and Composition requirement.
2. All students must take a Statistics course.

**Academic Specialization**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>2511</td>
<td>Intermediate Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>3526</td>
<td>Accounting Information System</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Computer Information Sciences</td>
<td>1055</td>
<td>Computers and Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Computer Information Sciences</td>
<td>Elective</td>
<td>See Program Advisor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business and Industry</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Finance</td>
<td>3011</td>
<td>Intro to Financial Markets*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1102</td>
<td>Law of Contracts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1001</td>
<td>Law and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advanced Keyboarding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>37</td>
<td></td>
</tr>
</tbody>
</table>

Note: Intermediate Accounting I and II and Accounting Information Systems must be taken in the junior or senior years.

*Introduction to Financial Markets has a Prerequisite - The completion of a lower-level division course in the Fox School of Business and Management.

**Certification Requirements/Experiences**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course#</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Education</td>
<td>3241</td>
<td>Teaching Microcomputer Applications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3101</td>
<td>Principles of Career &amp; Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3103</td>
<td>Curriculum in Career &amp; Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3372</td>
<td>Teaching Applications for Children</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3389</td>
<td>Supervised Work Experience</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours Required for Graduation**

128

**Career and Technical/Industrial Education**

Dr. Thomas J. Walker, Lead Professor
215-204-8374
thomas.walker@temple.edu
Ms. Joy Barcus, Undergraduate contact
Ritter Hall 346
215-204-8376
joybarcus@comcast.net

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section in this Bulletin.

This curriculum leads to a B.S. in Education degree (with a specialization in teaching or technical training in industry). The courses taken satisfy requirements for state certification in career and technical education and for the degree and are available on a part-time basis.

**General Studies, Professional Course Sequence & Core Requirements**

Several restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English 2596 (Writing for Business and Industry) as an additional writing and composition requirement. (3 s.h.)
2. All students must take Statistics 1001 (Basic Quantitative Foundations for Business and Economics) as an additional mathematics requirement.
3. To meet the requirements in social science, all students must take Economics 1101 (Macroeconomic Principles), and Sociology 1476 (American Ethnicity). (6 s.h.)

**Program Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTE</td>
<td>3101</td>
<td>Principles of Career and Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3102</td>
<td>Teaching Strategies in Career and Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3103</td>
<td>Curriculum in Career and Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4788</td>
<td>Student Teaching in Sec Ed/CTE</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>4315</td>
<td>Credit By Exam</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3389</td>
<td>Supervised Work Experience</td>
<td>1-6</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 45-48

Note: Career & Technical Education 3389 is not required for students entering the program with appropriate occupational experience and who have passed the state's occupational competency test. Such students, who are matriculated and have completed 90 s.h. of acceptable coursework, may arrange to have up to 24 s.h. recorded toward their degree through payment of the required fees.

For certification in Industrial Education, there is an occupational experience and an occupational competency requirement. To become certified, the student must pass an Occupational Competency Examination (or the equivalent) and complete two years of occupational wage-earning experience beyond the time needed to learn the occupation.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td></td>
<td></td>
<td>3-9</td>
<td></td>
</tr>
<tr>
<td>Total Semester Hours</td>
<td></td>
<td></td>
<td>128</td>
<td></td>
</tr>
</tbody>
</table>

**Marketing Education**

Dr. Victor Gbomita, Program Advisor
Ritter Hall 360
215-204-6226
vgbomita@temple.edu

© 2007, Temple University. All rights reserved.
1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section in this Bulletin.

This curriculum is designed to prepare students who expect to teach marketing subjects in K-12 and the junior college level in public and private schools. Subject area content and professional education content are combined with general education content in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that business education bears to education as a whole.

Academic Specialization

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Law S.B.M.</td>
<td>1102</td>
<td>Law of Contracts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>3596</td>
<td>Consumer and Buyer Behavior</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business Industry</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Resources</td>
<td>1101</td>
<td>Organizational and Management***</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing***</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3372</td>
<td>Teaching Applications for Children</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>24</strong></td>
<td></td>
</tr>
</tbody>
</table>

***Upper-division courses, plus the required marketing and business course(s) in the School of Business.

Certification Requirement

<table>
<thead>
<tr>
<th>Department</th>
<th>Course#</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTE</td>
<td>3101</td>
<td>Principles of Career &amp; Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3102</td>
<td>Teaching Strategies in Career &amp; Technical Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>4324</td>
<td>Cooperative Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>4331</td>
<td>Coordination Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3392</td>
<td>Teaching Applications for Children</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTE</td>
<td>3389</td>
<td>Supervised Work Experience</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing Education</td>
<td>*SPA</td>
<td>Product Information</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing Education</td>
<td>*SPA</td>
<td>Color, Design, and Fashion</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing Education</td>
<td>*SPA</td>
<td>Teaching Salesmanship, Advertising, and Display</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>39</strong></td>
<td></td>
</tr>
</tbody>
</table>

*SPA - See Program Advisor

Certification Programs:

Cooperative Education

School personnel interested in supervising students in work-based settings in Pennsylvania must be certified in Cooperative Education. This certification covers a variety of work-based settings for secondary students, including capstone programs, diversified occupations programs, shadowing experiences, work experience programs, internships, and job shadowing. The skill and knowledge included in this certification program also has application to post-secondary and adult settings.

Persons wishing to become teachers of cooperative education must make application to the program and provide information about their education and experiential backgrounds. Based on the information provided, a program of studies, which includes an internship, is prepared. Persons who enter this program holding a valid teaching certificate will work...
toward earning an "add-on" certificate in Cooperative Education, while others will work toward a "stand-alone" certificate. Persons wishing to enroll in this program should contact an advisor.

**Career and Technical Certification Program**

This curriculum, which is offered in cooperation with the Pennsylvania Department of Education, is designed to prepare persons to teach vocational industrial subjects on the secondary, post-secondary, and junior college levels in public and private schools. Career and Technical Teacher Education courses may be taken on three levels: Certification, Undergraduate, and Graduate. Persons who have at least two years of work experience beyond the learning period in a trade, technical, or other selected occupation may prepare for certification to teach occupational subjects or related classes in secondary schools in Pennsylvania.

Certification students must apply and be admitted to the Industrial (Career and Technical) Education Certification Program. All certification students must meet the requirements for admission to the University. In addition, candidates must satisfy the departmental requirements for work experience and must have passed the required Occupational Competency Test. Students must also pass Praxis I computer-based tests before receiving the Vocational Intern Teaching Certificate. This program prepares the student for industrial teacher certification in Pennsylvania and, in general, is acceptable in other states. Work taken toward the certification objective may be applied to the undergraduate degree program. The courses are offered on a part-time basis for those who are employed on an Intern credential. Completing 18 semester hours of approved coursework and passing the occupational competency examination will permit the issuance of a Vocational Instructional I Certificate, which is valid for seven years.

Upon receipt of the Vocational Instructional I certificate, the student must complete an additional 42 s.h. of college work, earning a minimum of 6 semester hours of credit per year until the requirements for permanent certification (60 s.h. and three years successful teaching) are satisfied.

Persons wishing to enroll in this program should contact an advisor.

**Elementary Education**

Please contact the department for further information.
215-204-6387

**Elementary Education (with Early Childhood Education and/or Special Education)**

The Elementary Education program is designed to prepare teachers to work in programs servicing children in nursery school, kindergarten, primary, and intermediate grades. It is designed to help students gain an appreciation and understanding of children, develop personally and professionally, and acquire a sound philosophy of education.

By working directly with children several times prior to student teaching, the student can study the reactions of children of various ages to different situations and thereby gain insight into the creation of learning situations and the planning of teaching procedures which meet the needs of children.

Students must choose an additional area for certification in either Early Childhood Education or Special Education or both (a third certificate may be obtained by taking additional course work beyond the 128 credits). Students must be accepted into the certification program prior to taking methods courses (see advisor). Observation, participation, and teaching within the practicum are further extended during student teaching where competency of teaching skills is demonstrated.

**Early Childhood Education and Special Education Options**

Cathleen Soundy, Early Childhood, Lead Professor
215-204-6129
csoundy@temple.edu

In the new undergraduate program, all students will obtain certification in Elementary Education. Students must then choose an additional area for certification in either Early Childhood Education or Special Education. In addition, a third certificate may be obtained by taking additional course work (beyond the 128 credits required for the double certificate program).
**General Studies, Professional Course Sequence & Core Requirements**

Several restrictions and additions to the requirements listed above (see Other Requirements for College of Education Students on the College Graduation Requirements page) apply to students in this program:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Literature Requirement</strong>: Choose one of the following:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1301</td>
<td>American Literature</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>English</td>
<td>1197</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1198</td>
<td>Introduction to Fiction</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2201</td>
<td>Survey of English Literature: Beginnings to 1660</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2202</td>
<td>Survey of English Literature: 1660-1900</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2301</td>
<td>Survey of American Literature I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2302</td>
<td>Survey of American Literature II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Linguistics Requirement</strong>: Choose one of the following:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2821</td>
<td>Introduction to Linguistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2507</td>
<td>Fundamentals of Linguistic Anthropology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Communication Sciences &amp; Disorders</td>
<td>1108</td>
<td>Introduction to Linguistics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*In addition to taking the required two course sequence in Science, students must take at least one additional course in Science.*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Social Science Requirement</strong>: Choose one of the following Economics courses (see additional GUS requirement below):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1001</td>
<td>Introduction to the Economy</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1004</td>
<td>Economic Principles for Education Majors</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1103</td>
<td>Global Economics</td>
<td>3</td>
<td>IS</td>
</tr>
</tbody>
</table>

*and* choose one of the following Geography & Urban Studies courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography &amp; Urban Studies</td>
<td>1051</td>
<td>Environment and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Geography &amp; Urban Studies</td>
<td>1025</td>
<td>World Urban Patterns</td>
<td>3</td>
<td>IS</td>
</tr>
</tbody>
</table>

**Program Requirements (for existing program):**

**Elementary Education Foundation Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Art Education</strong></td>
<td>3003</td>
<td>Arts &amp; Learning in the Elementary School</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Elementary Education</strong></td>
<td>3287</td>
<td>Practicum: Teaching Elementary Child N-6</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td><strong>Elementary Education</strong></td>
<td>3387</td>
<td>Practicum: Teaching Math/Science to Elementary Child N-6</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td><strong>English Education, Elementary</strong></td>
<td>3297</td>
<td>Teaching Integrated Language, Reading &amp; Writing</td>
<td>6</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Math Education, Elementary</strong></td>
<td>3141</td>
<td>Teaching Mathematics: N-6</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Science Education, Elementary</strong></td>
<td>3151</td>
<td>Teaching Science: N-6</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies, Elementary</strong></td>
<td>3161</td>
<td>Teaching Social Studies: N-6</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td>4488</td>
<td>Student Teaching in Elem/Spec Ed/Ech Ed</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td>4801</td>
<td>Senior Seminar and Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 34-42
Students must choose a minimum of one additional area of certification.

**Early Childhood Option**

*Must take at least one option.*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood Education</td>
<td>2321</td>
<td>Curriculum Development &amp; Implementation in Early Childhood Programs</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>2322</td>
<td>Family/School/ Community Environments for Young Children</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>3322</td>
<td>Observing, Documenting, &amp; Assessing Young Children’s Learning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>4324</td>
<td>Integrated Programming for Young Children</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4588</td>
<td>Student Teaching in Elem Ed/Ech Ed</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Subtotal</strong></td>
<td><strong>21-23</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Special Education Option for Students Admitted for Fall 2003**

All requirements for the Elementary Education program must be completed, and 5 s.h. of Student Teaching Elementary/Special Education 4288 must be in a Special Education placement. In addition, the following courses must be completed.

Note: A new sequence of courses for special education certification was implemented for students admitted after July 1, 2003. Students should contact the Office of Student Services for specific details about these requirements.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>2489</td>
<td>Field Experience-Special Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>2231</td>
<td>Introduction to Inclusive Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>3312</td>
<td>Methods and Curriculum for Students with Disabilities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>4331</td>
<td>Community Resources and Collaboration in Special Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>3332</td>
<td>Assessing and Teaching Students with Mild Disabilities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>3487</td>
<td>Practicum in Special Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4288</td>
<td>Student Teaching in Elementary/Special Education</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>27</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Total Elementary Education Program**

<table>
<thead>
<tr>
<th>University Core, General Education &amp; Professional Education Core Courses</th>
<th>76</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Education Courses</td>
<td>34</td>
</tr>
<tr>
<td>Additional Certificate Courses</td>
<td>3</td>
</tr>
<tr>
<td>(Early Childhood 9 s.h. or Special Education 12 s.h.)</td>
<td>9</td>
</tr>
<tr>
<td>Additional Credits</td>
<td>9</td>
</tr>
<tr>
<td><strong>TOTAL SEMESTER HOURS</strong></td>
<td><strong>128-131</strong></td>
</tr>
</tbody>
</table>

**Secondary Education**

Please contact the department for further information.
(215) 204-6387

Secondary Education programs prepare the student to teach in the following certification areas:
- English
- Foreign Languages
In order to maintain standing in Secondary Education, students must achieve and maintain a 3.0 average in their teaching field in addition to maintaining an overall 3.0 cumulative average. Students in a secondary program with less than a 3.0 in their teaching field are urged to consider a change in teaching field or a transfer to another program or department. Students with less than a 3.0 average either in the major field or overall may not register for student teaching and will not be recommended for certification by the College of Education.

The courses listed for a major under each academic specialization section are meant to serve as a guide. Students are strongly encouraged to consult the departments in which they are seeking second majors to verify that the specific requirements are being met in accordance with department regulations. Simultaneously, students are encouraged to speak with their College of Education advisor to ensure that all requirements for Pennsylvania teacher certification are being met.

### Secondary English

Dr. Michael Smith, Program Advisor  
215-204-6137  
Ritter Hall 445  
mwsmith@temple.edu

### General Studies, Professional Course Sequence & Core Requirements

All of the requirements listed above apply to this program.

### Secondary Education

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Education, Secondary Education</td>
<td>4366</td>
<td>Teaching Language &amp; Communication in the Secondary School</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English Education, Secondary Education</td>
<td>4371</td>
<td>Teaching Oral &amp; Written Communication in the Secondary School</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>3796</td>
<td>Reading Problems in the Secondary School</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>21-23</td>
<td></td>
</tr>
</tbody>
</table>

### Academic Specialization:

#### English

Students seeking certification in secondary English education must complete the requirements both for the major in secondary education with a concentration in English and for the English major as specified by the English Department. In order to assure that students gain the content knowledge specified by the Pennsylvania Department of Education, we recommend most strongly that students include as electives English courses in the following areas: linguistics, film, Shakespeare, and African American literature. Students who do not complete this course work may be at risk of failing the state-mandated Praxis II examination, which must be passed in order to be eligible for teacher certification.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2097</td>
<td>Introduction to English Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2201</td>
<td>Survey of English Literature: Beginnings to 1660</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2202</td>
<td>Survey of English Literature: 1660-1900</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2301</td>
<td>Survey of American Literature I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
### English as a Second Language (ESL) Specialist

**Dr. Jill Swavely-Gardner, Program Coordinator**  
Ritter Hall 461  
215-204-6120  
jmswav@temple.edu

The ESL program specialist certificate is available as an “add-on” or endorsement to an Instructional teaching certificate.

Candidates for the certificate are required to demonstrate competence of the fundamental concepts and practices of English as a second language, which are provided at the pre-school, elementary, or secondary levels.

The course requirements can be taken as part of an undergraduate or master’s degree. Both the undergraduate and graduate options consist of a four-course sequence.

The ESL specialist curriculum includes training in the following components:
- English Usage and Developing Linguistic Awareness
- English as a Second Language Instructional Materials/Development
- English Language Learners (ELLs) Language & Support Services Knowledge
- Developing Cultural Awareness/Sensitivity

Note: The specialist certificate is an add-on to an Instructional certificate. Candidates are expected to have completed general studies, professional courses, and core courses in any professional educator program, which culminates with an Instructional certificate.

### ESL Specialist Certification Requirements/Experiences

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>TESOL</td>
<td>8611</td>
<td>Language Study I: Assessment of English Learners' Language Literacy Development</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TESOL</td>
<td>8614</td>
<td>Approaches of Teaching Second/Foreign Language</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TESOL</td>
<td>8616</td>
<td>Curriculum &amp; Assessment in TESOL</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TESOL</td>
<td>8621</td>
<td>Linguistic &amp; Cultural Diversity in the ESL Classroom</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Secondary Foreign Language Education**

**Dr. Jill Swavely-Gardner, Program Advisor**  
215-204-6120  
jmswav@temple.edu

© 2007, Temple University. All rights reserved.
Foreign Language certification is offered in French, German, Hebrew, Italian, Latin, Portuguese, and Spanish.

**General Studies, Professional Course Sequence & Core Requirements**

In addition to the Literature requirements listed above (see Other Requirements for College of Education Students), all students must take one of the following:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2496</td>
<td>Intro to Writing Non-Fiction</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2796</td>
<td>Writing the Research Essay</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Program Requirements for Secondary Education**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9-11</td>
<td>RCI</td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Academic Specialization for Certification in One Foreign Language**

Ten courses above the first two elementary courses must be taken (that is, beyond courses which generally have the number 1001 and 1002).

All courses must be taught in the target language. (Native speakers who received most of their pre-university education in their native land may be eligible to certify by taking eight appropriate foreign language courses in their native language.)

These ten courses must include:

- **Composition and Conversation**: at least two (and preferably three) courses are required, except for Italian, in which only one course is available.
- **Culture and Civilization**: one course is required.
- **Linguistics**: one course is required. If no course is available in the target language, one will have to be taken in another department, but it will not count as a foreign language course if taken in the English or Speech departments.
- **Literature**: at least one course is required, preferably contemporary. Students should check with an advisor to select the specific courses that meet the above requirements. Additional courses should also be selected in consultation with an advisor. It is strongly recommended that, in Spanish, courses be taken in Peninsular and Latin American Spanish. Similarly, in French, coursework should include both continental and overseas French.

**Academic Specialization for Certification in Two Foreign Languages**

Ten courses in the first foreign language must be taken. If the language is begun at the college level, the first two elementary courses do not count toward the ten courses. At Temple, these courses are generally numbered 1001 and 1002.

For the second foreign language, eight courses must be taken. The first two beginning courses do not count toward certification in the second foreign language.

Native speakers who were educated to speak, read, and write their native language need only eight courses in the formal study of their native language as a subject at the university level. Courses should be at an appropriate level for their background. There is no credit-by-examination given at Temple in a foreign language. A linguistics course is required for native speakers.

The same courses required for the first foreign language apply also to the second foreign language, (i.e., a course in composition and conversation, culture and civilization, and literature, preferably 20th century). A second linguistics course need not be taken.
It is strongly recommended that certification in two languages be pursued in order to enhance career opportunities. Courses may be taken during summer school to avoid heavy course loads during the academic year.

**ELECTIVES (when certifying in one foreign language): 0-16**
Total Semester Hours for Certification in One Foreign Language: 0-128
Total Semester Hours for Certification in Two Foreign Languages: 136-140

In the State of Pennsylvania, certification in a foreign language is a K-12 certificate. Since there is presently no certification in Pennsylvania in English as a Second Language (ESL or ESOL), foreign language teachers in this state are presently permitted to teach ESL as well under conditions specified by each school district.

Students must achieve passing scores on designated proficiency tests in each of the four skills (listening, speaking, reading, and writing) in each language of certification to be permitted to take the methods courses in teaching a foreign language, to student teach, and to receive certification. The testing begins when the student completes six courses in the foreign language.

**Foreign Study and/or Travel**
Study and travel experiences in relevant foreign language speaking areas are highly recommended. Temple provides such experiences at Temple's Rome Campus, the Temple-Sorbonne program, the Temple University of Puerto Rico exchange program, or Temple's exchange programs with the Universities of Hamburg and Tübingen in Germany. The Latin American Studies Semester program is an immersion experience available at Temple's Main Campus to all Spanish majors during spring semesters.

**Secondary Mathematics Education**
Currently, the Secondary Education program in Mathematics is under review and awaiting approval. All students enrolling in this program for the first time in 2005-2006 will be notified as soon as the new program is approved with any revised requirements that may affect their program of study. It is strongly recommended that you meet with an advisor before enrolling in classes specific to this major and leading to certification in Secondary Education in Mathematics. This is to assure that your intended program of study will be compatible with the proposed requirements.

Dr. Jacqueline Leonard, Lead Professor
215-204-8042
jacqueline.leonard@temple.edu

**General Studies, Professional Course Sequence & Core Requirements**
Several restrictions and additions to the requirements listed above (see Other Requirements for College of Education Students) apply to students in this program:
- The Mathematics requirement cannot be met by 1011 (College Mathematics).
- The Mathematics requirements are listed in the program description below.
- Philosophy 1066 (Introduction to Logic) is required for all students.

*The number of semester hours needed to fulfill specific requirements may vary slightly for transfer students.

**Program Requirements for Secondary Education**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Secondary Education</td>
<td>3146</td>
<td>Methods &amp; Materials in Secondary Mathematics (taken in conjunction with student teaching)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics Secondary Education</td>
<td>4366</td>
<td>Teaching of Problem Solving</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>18-20</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Academic Specialization**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2196</td>
<td>Basic Mathematics Concepts</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3003</td>
<td>Theory of Numbers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3098</td>
<td>Modern Algebra</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3031</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3032*</td>
<td>Mathematical Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3061</td>
<td>Modern Geometry I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3101</td>
<td>Topics in Modern Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>1066</td>
<td>Introduction to Logic (This course will also fulfill a University Core</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>requirement.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>3-7</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Subtotal</strong></td>
<td>42-46</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>*MATH 3032 - equivalent STAT 2101 and STAT 2102.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>**SPA - See Program Advisor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Social Studies Education**

Dr. Christine Woyshner, Program Advisor
215-204-6147  
christine.woyshner@temple.edu

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Studies, Secondary</td>
<td>3278</td>
<td>Methods &amp; Materials in Secondary Social Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>3796</td>
<td>Reading Problems in the Secondary School</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>18-20</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**History**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>1101</td>
<td>U.S. History to 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>U.S. History since 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History (Course</td>
<td>2702</td>
<td>Imperialism, Race, &amp; Empire</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>that meets Race</td>
<td>1103</td>
<td>Race &amp; Ethnicity in American History</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>Requirement)</td>
<td>2103</td>
<td>African American History to 1865</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td></td>
<td>2104</td>
<td>African American History 1865-Present</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td></td>
<td>2105</td>
<td>Race &amp; the U.S. Constitution</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>History</td>
<td>2816</td>
<td>Gender, Class, Nation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2817</td>
<td>Gender, War, &amp; Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2109</td>
<td>Sexuality &amp; Gender in American Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3225</td>
<td>Women in U.S. History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History (select</td>
<td>1702</td>
<td>World History Modern</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>two courses)</td>
<td>3811</td>
<td>World Economy Since 1945</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2702</td>
<td>Imperialism, Race &amp; Empire</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td></td>
<td>3711</td>
<td>The City in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3675</td>
<td>Third World Women's Lives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPA*</td>
<td>3342</td>
<td>Comparative Feudalism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Revolutionary Europe</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>1705</td>
<td>War and Society</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td></td>
<td>2213</td>
<td>History of the Am. Economy &amp; Am. Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3214</td>
<td>U.S. Environmental History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1004</td>
<td>United States at War</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3229</td>
<td>Superpower America</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
History 2105 1013 Race & the U.S. Constitution
History 4296 4497 4696 4897 American History Writing Seminar
Third World History Writing Seminar
European History Writing Seminar
Contemporary Theory & Pract. of History
History Elective (Elective must be approved by advisor) Recommended History 1001

*SPA - See Program Advisor

History courses above have the following requirements to fulfill the second major in the College of Liberal Arts’ History Department:
(a) Students must complete ten courses in History
(b) At least seven of these ten courses must be at the 1000-level or higher
(c) At least three of these ten courses must be at the 2000- and 3000-levels
(d) A maximum of three of these ten courses can be at the core level
(e) At least 15 of the credits must be in U.S. History

Anthropology (3 credits must be taken)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>1062</td>
<td>Introduction to Anthropology</td>
<td>3</td>
<td>RN</td>
</tr>
<tr>
<td>Anthropology</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Anthropology</td>
<td>1065</td>
<td>Origins of Cultural Diversity</td>
<td>3</td>
<td>IS</td>
</tr>
</tbody>
</table>

Sociology (3 credits must be taken)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>1176</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Sociology</td>
<td>1376</td>
<td>The Sociology of Race &amp; Racism</td>
<td>3</td>
<td>RN</td>
</tr>
<tr>
<td>Sociology</td>
<td>1476</td>
<td>American Ethnicity</td>
<td>3</td>
<td>RU</td>
</tr>
<tr>
<td>Sociology</td>
<td>2145</td>
<td>Marriage &amp; Family</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>SPA*</td>
<td>Society &amp; Personality</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3218</td>
<td>Socialization</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*SPA - See Program Advisor

Economics (3 credits must be taken)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td></td>
<td>Varies</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Geography and Urban Studies (3 credits must be taken)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography</td>
<td>1052</td>
<td>Introduction to the Physical Environment</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Geography</td>
<td>1025</td>
<td>World Urban Patterns</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Geography</td>
<td>2071</td>
<td>Geography of the United States &amp; Canada</td>
<td>3</td>
<td>AC</td>
</tr>
</tbody>
</table>

Secondary Science Certification
Dr. Joseph Schmuckler, Program Advisor
215-204-6194
joseph.schmuckler@temple.edu

General Studies, Professional Course Sequence & Core Requirements
Several restrictions and additions to the requirements listed above apply to students in this program.
• The Mathematics requirement cannot be met by 1011 (College Mathematics).
• The Mathematics requirements are listed in the program description below.
• The requirements in Science and Technology are different for the various science areas. These requirements are listed below.
• A course in philosophy or religion is required to meet the general studies requirements for certification. This course, if appropriate, may also fulfill the Language and International Studies requirement of the University Core.

Program Requirements

Secondary Education (for all Science certification areas)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secondary Education</td>
<td>3796</td>
<td>Reading Problems in the Secondary School</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Science Education (Secondary)</td>
<td>3146</td>
<td>The Teaching of Science in Secondary Schools</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4688</td>
<td>Student Teaching in Secondary Education</td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>4801</td>
<td>Senior Seminar &amp; Performance Assessment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>18-20</strong></td>
<td></td>
</tr>
</tbody>
</table>

Academic Specialization (for Biology)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Calculus II or Statistical Methods &amp; Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>1111 &amp; 2112</td>
<td>Introduction to Biology</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2203</td>
<td>Genetics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>3096</td>
<td>Cell Structure &amp; Function</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Biology</td>
<td>3317</td>
<td>General Microbiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Two electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031 &amp; 1032</td>
<td>General Chemistry I &amp; II</td>
<td>6</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033 &amp; 1034</td>
<td>General Chemistry Laboratory I &amp; II</td>
<td>2</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2201 &amp; 2202</td>
<td>Organic Chemistry I &amp; II</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Environmental Engineering Technology</td>
<td>1051</td>
<td>Introduction to the Environment</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>1021 &amp; 1022</td>
<td>Introduction to General Physics I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Science</td>
<td><strong>SPA</strong></td>
<td>Ecology &amp; Field Biology for Teachers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal semester hours for Biology</strong></td>
<td></td>
<td></td>
<td><strong>71-72</strong></td>
<td></td>
</tr>
<tr>
<td>*SPA - See Program Advisor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Academic Specialization (for Chemistry)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1011 &amp; 1012</td>
<td>General Biology I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031 &amp; 1032</td>
<td>General Chemistry I &amp; II</td>
<td>6</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033 &amp; 1034</td>
<td>General Chemistry Laboratory I &amp; II</td>
<td>2</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2201 &amp; 2202</td>
<td>Organic Chemistry I &amp; II</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2203 &amp; 2204</td>
<td>Organic Chemistry Laboratory I &amp; II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------</td>
<td>-------------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041 &amp; 1042</td>
<td>Calculus I &amp; II</td>
<td>8</td>
<td>QB/-</td>
</tr>
<tr>
<td>Biology</td>
<td>1011 &amp; 1012</td>
<td>General Biology I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031 &amp; 1032</td>
<td>General Chemistry I &amp; II</td>
<td>6</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033 &amp; 1034</td>
<td>General Chemistry Laboratory I &amp; II</td>
<td>2</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Geology</td>
<td>1001</td>
<td>Introduction to Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Geology</td>
<td>2015</td>
<td>Climate Change: Oceans to Atmosphere or See Advisor</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Geology</td>
<td>1015</td>
<td>Environmental Resources</td>
<td>4</td>
<td>SB</td>
</tr>
</tbody>
</table>

Select two courses from among:

<table>
<thead>
<tr>
<th>Geology</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
<td>Mineralogy I</td>
</tr>
<tr>
<td></td>
<td>2012</td>
<td>Mineralogy II</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Facies Models</td>
</tr>
<tr>
<td></td>
<td>2022</td>
<td>Paleontology &amp; Stratigraphy</td>
</tr>
</tbody>
</table>

Select one additional course with advisor's approval:

<table>
<thead>
<tr>
<th>Physics</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1004</td>
<td>Introduction to Astronomy</td>
</tr>
<tr>
<td>Physics</td>
<td>1021 &amp; 1022</td>
<td>Introduction to General Physics I &amp; II</td>
</tr>
<tr>
<td>Science, Secondary Education</td>
<td>*SPA</td>
<td>Meteorology for Teachers</td>
</tr>
</tbody>
</table>

Subtotal semester hours for Earth Space Science: 51

*SPA - See Program Advisor

---

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041 &amp; 1042</td>
<td>Calculus I &amp; II</td>
<td>8</td>
<td>QB/-</td>
</tr>
<tr>
<td>Biology</td>
<td>1011 &amp; 1012</td>
<td>General Biology I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031 &amp; 1032</td>
<td>General Chemistry I &amp; II</td>
<td>6</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033 &amp; 1034</td>
<td>General Chemistry Laboratory I &amp; II</td>
<td>2</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Geology</td>
<td>1001</td>
<td>Introduction to Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Geology</td>
<td>2015</td>
<td>Climate Change: Oceans to Atmosphere or See Advisor</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>1004</td>
<td>Introduction to Astronomy</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>1021 &amp; 1022</td>
<td>Introduction to General Physics I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Science, Secondary Education</td>
<td>*SPA</td>
<td>Ecology &amp; Field Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science, Secondary Education</td>
<td>*SPA</td>
<td>Meteorology for Teachers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal semester hours for General Science Certification: 50

*SPA - See Program Advisor

© 2007, Temple University. All rights reserved.
### Academic Specialization (for Physics)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1011 &amp; 1012</td>
<td>General Biology</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Lab I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1061 &amp; 1062</td>
<td>Elementary Classical Physics I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Physics</td>
<td>2021 &amp; 2022</td>
<td>General Physics I &amp; II</td>
<td>8</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Physics</td>
<td>2501</td>
<td>Computing for Scientists</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4302</td>
<td>Optics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3301</td>
<td>Electricity &amp; Magnetism</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4101</td>
<td>Thermodynamics &amp; Kinetic Theory</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Plus any course to be determined by advisor.

**Subtotal semester hours for Physics** 49

---

### COLLEGE OF ENGINEERING

Keya Sadeghipour, Dean  
Engineering and Architecture Building  
Third Floor  
1947 N. 12th Street  
Philadelphia, PA 19122  
215-204-7800  
engineer@temple.edu  
www.eng.temple.edu/

### Accreditation

Engineering programs are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). Engineering Technology programs are accredited by Technology Accreditation Commission (TAC) of ABET.

Accreditation Board for Engineering and Technology, Inc.  
111 Market Pl., Suite 1050  
Baltimore, MD 21202  
www.abet.org

### Mission

The mission of the College of Engineering (COE) is to provide students with a high-quality, innovative, and globally-competitive learning experience in engineering, engineering technology, and the applied sciences. Engineering graduates are to be educated professionals with the technical, problem-solving, and communication skills required to succeed in the workplace and society.

The College is mindful of its obligation as an environment for the creation of knowledge and encourages basic and cross-disciplinary applied research by its faculty and students. Great importance is attached to scholarship, practice, and service aimed at improving the quality of life and the economic viability of our society. This value system is reflected in current assessments of faculty for promotion and tenure and in grading practices for student work.

We strive to pursue these objectives in a learning environment that celebrates ethnic and gender diversity, respects experience, and encourages problem solving through teamwork.
The College offers undergraduate curricula in engineering and engineering technology, and a variety of continuing education courses for non-degree students. The programs in engineering, leading to the Bachelor of Science in Engineering degree, prepare students for positions in engineering which require a broad preparation in mathematics and the engineering sciences at the entry level; they are recommended for those who expect to become registered professional engineers, pursue an advanced degree, or become involved in conceptual design, planning, research, and development in industry. The programs in engineering technology, which lead to the Bachelor of Science in Engineering Technology degree, educate students for careers as engineering technologists. They participate as members of the engineering team, translating concepts into functioning systems and supervising subsequent implementation by technicians and craftsmen.

Graduates of the COE find employment in manufacturing, construction management, sales engineering, inspection and quality control, production engineering and management, research and development, purchasing, technical field services, application engineering, engineering design, computer systems and software manufacturing, and organizations applying computers for research or production. Following on-the-job experience, they can qualify for positions of a supervisory and managerial nature; others may qualify as registered professional engineers.

Day and evening courses are offered at the Main Campus and at Ambler Campus. All programs can be completed at the Main Campus.

**Admission**

Admission to the University does not guarantee admission to particular programs in the College of Engineering. Because programs in the college have varying admissions requirements, students should contact the Office of Undergraduate Studies, Room 326, for further information (215-204-8825).

**Honors Program**

For current information on the College Honors Program, contact Steven Ridenour, Acting Coordinator, by phone (215-204-8825) or e-mail (steven.ridenour@temple.edu).

**Cooperative Education & Internship**

Full-time matriculated Engineering and Engineering Technology students who have a GPA greater than 2.0 and who have completed at least 30 semester hours (at least 12 at Temple) towards the baccalaureate degree may apply for paid cooperative work experience (full-time) during spring, fall or summer semesters. It normally takes five years to complete the degree when participating in this program; however, at least one year of relevant work experience is gained. Students work 40 hours per week and are considered full-time students at Temple University. Students may also document relevant work experience through internships, which are normally during the summer semester. The internships allow the student to finish in the traditional four years and still gain some experience. Engineering and Engineering Technology students may register and receive technical elective credits for their work experience with the Co-op courses (Engineering 2181, 3181, 4181, 4281) or the Internship courses (Engineering 1185, 2185, 3185, 4185). These programs are managed by the Director for Career Services in the College of Engineering.

**Honor Societies, Awards, and Student Associations**

**Professional Societies and Organizations**

The following professional societies and organizations are located within the College of Engineering:

- American Concrete Institute (ACI)
- American Society of Civil Engineering (ASCE)
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- Environmental Engineering Students Association (EESA)
- General Building Contractors Association (GBCA)
- Institute of Electrical & Electronics Engineers (IEEE)
- Minority Engineering Students Association (MESA)
- National Society of Black Engineers (NSBE)
- National Society of Hispanic Engineers (SHPE)
- National Society of Professional Engineers (NSPE)
- Society of Automotive Engineers (SAE)
- Society of Manufacturing Engineers (SME)
- Society of Women Engineers (SWE)
- Temple University Amateur Radio Club (TUARC)

© 2007, Temple University. All rights reserved.
• ETA KAPPA NU (Electrical Engineering Honor Society)

Academic Advising
Dr. Steven Ridenour
Director of Undergraduate Studies
Engineering and Architecture Building
Room 323
215-204-8825
sridenou@temple.edu

Advising Centers for the Major in the College of Engineering
Civil and Environmental Engineering Dept
215-204-7814
ceed@temple.edu

Electrical and Computer Engineering Dept
215-204-7597
eegrad@temple.edu

Mechanical Engineering Dept
215-204-7808
vross@temple.edu

College Center (special problems)
215-204-8825
sridenou@temple.edu

Please see the major programs for locations of the Departmental Office.

All students in the COE are assigned an advisor when they initially enroll. An updated list can be found in the respective departmental offices. The student’s academic advisor will confirm that the courses selected yield credit toward a degree and that the requirements of Temple University, COE, and the academic department are being met. Reference should be made to this Bulletin and to the Student Information Guide in planning programs.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Academic Policies and Regulations

Please see Undergraduate Academic Policies. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the College of Engineering, appear below.

The University policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Policies specific to the College of Engineering follow.

The COE Student Information Handbook should be consulted for specific rules relating to procedures and curriculum. Copies of the COE Handbook are available in the Dean’s office, Room 341, Engineering and Architecture Building. The COE Handbook is also available on the College of Engineering website at http://www.temple.edu/engineering/undergraduate.htm.

College Graduation Requirements

Anticipation of Graduation - All COE students who intend to graduate in May, August, or January must have a graduation review at the completion of 90 credits. At the beginning of the final semester, the student must pay a graduation fee and then present a validated Treasurer receipt as evidence of payment to the Dean’s Office. To earn the baccalaureate degree in any curriculum of the COE, a student must submit a graduation plan (check sheet), consisting of...
all required courses in the chosen curriculum, which has been approved by the student’s faculty advisor, chairperson, and Dean of the College. Required courses are indicated in curriculum checklists available from the student’s respective department of instruction.

**Dean's List** - Full time matriculated students who, for a given semester, complete 15 semester hours, or more, with no "I" grades and with no grade less than "C" may qualify for the Dean's List when the semester GPA is at least 3.20. Part-time students who have completed 12 credits over an academic year with the same grades and GPA may also qualify.

**Independent Research** - Engineering, Engineering Technology - Independent student work on a laboratory investigation or design project must be approved by the chairperson of the respective department and a faculty supervisor assigned. Work is graded on research methodology, result, and a report. Only seniors with a minimum GPA of 3.0 may apply. The project must be completed in one academic year.

**Independent Study** - A student is permitted to take no more than two independent study courses. Permission is granted only if a student needs the course to complete his/her studies, and it is not offered in that semester. They can be taken only in the junior and senior years. The content of the independent study work must cover the material in one of the courses listed in the curriculum. Students must complete an independent study form in their department office prior to registration for the course.

**Program Performance** – A minimum cumulative GPA of 2.0 is required for graduation. Students majoring in engineering must attain a minimum GPA of 2.3 in their major courses in order to graduate. Students majoring in engineering technology must have a minimum GPA of 2.0 in their major courses.

**Non-Matriculating Students** - Non-matriculating and/or part-time students who intend to become matriculating degree candidates in the College of Engineering must apply for formal admission when they have completed between 15-18 semester hours of course work. These students must take the placement tests in English and Mathematics in order to determine their level of ability and proficiency in these areas before they continue with their studies. The COE is not obligated to grant more than 18 semester hours of credit toward a degree for course work taken as a non-matriculated student.

**Non-Traditional Credits** - A maximum of 12 semester hours of credit will be allowed by the COE in cooperative education, relevant work experience, approved ROTC courses, and Advanced Placement or CLEP examinations. No other non-traditional credit will be granted.

**Credit for Life Experience** - Matriculated students may be granted academic credits for work experience if it is judged to be an adequate substitute for all or part of particular courses required of the student. Experience must be related to a specific course in the curriculum offered by the College. Work experience must be acquired before entering Temple University. Credit will only be granted after completion of 30 semester hours of course work. Other requirements and applications are available in the Office of Undergraduate Studies in the College.

**Transfer Credit** - Transfer credit to the COE can be granted only from an accredited institution of higher learning. Co-op education, credit for life experience, and advanced placement credits are not transferable from other institutions. Transfer credits are not granted after a student has matriculated into a degree program. In only exceptional circumstances may students take courses at other institutions and have transfer credits awarded. The Dean must approve permission for such arrangements in advance. Senior Design Project is not transferable to the College.

**Student Contact Information**

The Office of Undergraduate Studies will provide services for special problems in curriculum advising, academic grievances, and personal problems. Contact Dr. Steven Ridenour at steven.ridenour@temple.edu or 215-204-8825.

**Faculty**

**Administration**
Keya Sadeghipour, Dean
George Baran, Associate Dean for Research and Graduate Studies
Civil and Environmental Engineering

Professor
Sergio Serrano, Ph.D., University of Waterloo.

Associate Professor
Bechara Abboud, Ph.D., Drexel University, P.E.
Robert Brooks, Ph.D., University of California, P.E.
William C. Miller, Ph.D., University of Pennsylvania, P.E.
Frederick C. Schmitt, Ph.D., Drexel University, P.E.
Philip D. Udo-Inyang, Ph.D., University of Missouri, E.I.T.

Assistant Professor
Michael Boufadel, Ph.D., University of Cincinnati.
Adrienne Cooper, Ph.D., University of Florida.
Qiang He, Ph.D., University of Illinois at Urbana-Champaign.

Civil & Environmental Engineering Industrial Advisory Committee
Leonard Bernstein, P.E., City of Philadelphia Water Department.
Thomas Bryan, Gilbane Building Company.
Joseph Campbell, Turner Construction Company.
George Cavallo, P.E., Gilbane Building Company.
Brian Cawley, Air Products and Chemical, Inc.
Dr. Charles W. Cook, R.S. Cook & Associates, Inc.
Lin Corsey, Turner Construction Company.
Ruben David, P.E., City of Phila., Capital Projects.
James R. Del Grosso, CUH2A, Inc.
Robert Evans, Gilbane Building Company.
Kenneth Eyre, Greeley and Hansen, Co-Chair.
Darryl Jenkins, Citizens Utilities and Water Co.
Stephen Jochum, Consultant.
James Kenny, United States Environmental Protection Agency.
Ronald Kerns, Hanscomb, Inc.
Linda Kramer, Philadelphia Water Dept.
Richard Kron, Patriot Construction Company.
Lester Levin, Consultant.
Victor Marcus, P.E., Consulting Engineer.
Christopher Menne, City of Phila., Department of Streets.
Scott Milliken, Gilbane Building Co.
Jeff Ogborn, Churchill Engineers and Planners.
Edward Plucinski, P.E., Pennoni Associates.
Theodore L. Radzinski, U.S. Environmental Protection Agency.
Allan Ritchie, P.E., REI Engineers.
Frank Russo, HNTB Corporation.
George Sholy, Consultant.
Pamela Stevens, Spotts, Stevens & McCoy, Inc.
Gregory Stewart, Gilbane Construction Company, Co-Chair.
William Thomsen, P.E., Urban Engineers.

Electrical and Computer Engineering

Professor
Brian Butz, Ph.D., Drexel University.
Sushil DasGupta, Ph.D., University of Wisconsin.
Musoke H. Sendaula, Ph.D., University of Connecticut, P.E.
Dennis A. Silage, Ph.D., University of Pennsylvania.
Thomas E. Sullivan, Ph.D., Pennsylvania State University.
Robert Yantorno, Ph.D., University of Pennsylvania.

**Associate Professor**
Saroj K. Biswas, Ph.D., University of Ottawa, Canada.
Zdenka Delalic, Ph.D., University of Pennsylvania.
John Helferty, Ph.D., Chair, Drexel University.

**Assistant Professor**
Li Bai, Ph.D., Drexel University.

**Electrical and Computer Engineering Industrial Advisory Committee**
Barney Alder, PECO Energy.
Sead Avdrovic, Boeing, Inc.
Brett Breslow, Bristol-Myers Squibb, Inc.
Thomas C. Chmielewski, Jr., Sarnoff Labs.
Maria Regina Gibbs, Lockheed-Martin.
Kathy Jenkins, NASA Goddard Space Flight Center.
Cheryl Lightfoot, Merck & Company.
Fintan MacCormack, Kulicke & Soffa, Inc.
David Miller, Boeing Helicopters.
Mario Obeidat, Inter-Digital, Inc.
Hubert Riester, Ficher & Porter, Inc.
Dennis Rock, Boeing Helicopters Computing.
Mark Soffa, Kulicke & Soffa Industries.
David Schweitzer, Allegro Microsystems, Inc.
John Taylor, Universal Space Network.
Sidney V. Worth, C.W. Industries.
David Wurzel, Cardiac Systems, Inc.
Richard Zambito Sr., Northrup-Grumman Corp.

**Mechanical Engineering**

**Professor**
George Baran, Ph.D., University of Michigan.
M. Robert Baren, Ph.D., University of Pennsylvania.
Shih-Juin Chen, Ph.D., Chair, Drexel University.
Mohammad F. Kiani, Ph.D., Louisiana State University.
Keya Sadeghipour, Ph.D., University of Manchester.
Steven Ridenour, D.A.E., University of Miami, P.E.

**Associate Professor**
LeRoy Alaways, Ph.D., University of California-Davis.
Richard S. Cohen, Ph.D., Princeton University, P.E.
Vallorie Peridier, Ph.D., Lehigh University.

**Assistant Professor**
Soumitra Basu, Ph.D., University of Windsor.
Parsaoran Hutapea, Ph.D., North Carolina State University.

**Mechanical Engineering Industrial Advisory Committee**
Madina Alharazim, Amtrak.
Marco Amone, Enser Corporation.
George Barrett, Boeing Defense and Space Group.
Daniel Cassidy, Ortho-McNeil Pharmaceutical Inc.
Michael Cook, Faiveley Rail Inc.
Michael Cunningham, Philadelphia Water Department.
Samuel Doughty, Ph.D., Naval Surface Warfare Center.
Robert Desaro, Energy Research Company.
Janet Edwards, Naval Ship Systems Engineering Station.

© 2007, Temple University. All rights reserved.
Michael Grady, Naval Ship Systems.
Kenneth Hill, Retired, Sunoco.
Paul McCoy, Aventis U.S. Inc.
John Pardekooper, Siemens Building Automation.
David Paul, Globus Medical, Inc.
Darrell Scales, Lockheed Martin Inc.
Walter Jeffrey Shakespeare, T-Networks.
Michael Smedley, Trigen Trenton Energy Company.
Ming-Shyong Tsay, FUTAI, Inc.
James Valenti, Armstrong World Industries.
Gregory White, Fairway Shopping Center.

Emeritus Faculty
Professor
Edward F. Cahoon
Robert H. Creamer
Alvin T. Greenspan
Robert M. Haythornthwaite
Donald Humphreys
Richard Klafter
John L. Rumpf
Victor Schutz
Theodore P. Vassallo
Thomas Ward
F. Stanton Woerth

Associate Professor
Raymond D. Fidler
Alma K. Forman
Theodore Green
Joseph A Hrusovsky
Thomas Reeves

Assistant Professor
Leroy Green
George W. Mackey
Ross Nickel

Engineering
1947 N. 12th Street
Philadelphia, PA 19122
215-204-7800
www.temple.edu/engineering/

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section in this Bulletin.

Engineering
The programs in Engineering are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). These programs lead to a bachelor’s degree with concentrations in the following fields of study:
Civil Engineering (B.S.C.E.)
Electrical Engineering (with Computer Engineering Concentration) (B.S.E.E.)
Mechanical Engineering (B.S.M.E.)

(Note: The Environmental Engineering Technology program is no longer a field of study. Interested students are directed to the Civil Engineering Program.)

Accreditation Board for Engineering and Technology, Inc.
111 Market Pl., Suite 1050, Baltimore, MD 21202
www.abet.org

The engineering programs are structured to prepare the graduate for the professional practice of engineering and/or graduate study. The curricula emphasize a rigorous treatment of the mathematical and scientific approaches to the solution of engineering problems.

The final two years of study stress the synthesis of unique solutions rooted in the fundamental principles mastered during the first two years and culminate in a design project.

Civil & Environmental Engineering

Michel Boufadel, Chair
Room 514, Engineering and Architecture Building
215-204-7871

Program Goals, Objectives and Design Integration

The objective of the Civil Engineering program at Temple University is to provide students with a broad knowledge of mathematics, physical and engineering sciences, computer utilization, communication skills, and societal factors from which students can synthesize unique solutions to relatively complex problems related to Civil Engineering. Since Civil Engineering professionals plan, design, construct, and operate facilities which are essential to the quality of modern life, the Civil Engineering curriculum is based upon providing a fully-integrated design experience by beginning with introductory courses in the study of engineering history and economics, then progressing through a broad coverage of the primary areas of practice within Civil Engineering (surveying, structures, geotechnical engineering, construction engineering, water resources, transportation, and environmental engineering), and finishing with a year-long capstone Civil Engineering senior design project. The goal of the Civil Engineering program is to prepare students to pursue graduate education in their specific areas of interest, seek professional licensing, and become involved in design, project planning and research.

Foundation Science and Math Courses in Civil Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>3041</td>
<td>Differential Equations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Laboratory I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

Required Communications, Humanities, and Social Science

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>Core</td>
<td>Electives</td>
<td>Humanities and Social Science Various*</td>
<td>21</td>
<td>CORE</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

*See advisor for recommended courses, particularly if a transfer student.
## Required Engineering Courses for Civil Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>1105</td>
<td>Surveying</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>1115</td>
<td>Surveying</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3411</td>
<td>Structural Analysis</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3412</td>
<td>Structural Analysis Lab</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3331</td>
<td>Soil Mechanics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3332</td>
<td>Soil Mechanics Lab</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>2341</td>
<td>Construction Materials Laboratory</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3611</td>
<td>Hydrology and Hydraulic Engineering</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3441</td>
<td>Steel and Concrete Design</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>4721</td>
<td>Water &amp; Wastewater Systems Design</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3211</td>
<td>Transportation Engineering</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3311</td>
<td>Construction Engineering</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3048</td>
<td>Probability and Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
<td>Electives</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>2112</td>
<td>Electrical Devices and Systems I</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1101</td>
<td>Introduction to Engineering</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1117</td>
<td>Engineering Graphics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2331</td>
<td>Engineering Statics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2332</td>
<td>Engineering Dynamics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2333</td>
<td>Mechanics of Solids</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3496</td>
<td>Materials Science for Engineers</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3096</td>
<td>Economic Analysis</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3553</td>
<td>Mechanics of Fluids</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3571</td>
<td>Classical &amp; Statistical Thermodynamics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>4169</td>
<td>Engineering Seminar</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>4196</td>
<td>Senior Design Project I</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>4296</td>
<td>Senior Design Project II</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>3506</td>
<td>Measurements of Fluids &amp; Energy Lab</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 80

**TOTAL Hours for Civil Engineering Major** 131 (Min.)

## Concentration in Environmental Engineering

Michel Boufadel, Chair  
Room 514, Engineering and Architecture Building  
215-204-7871

### Program Goals, Objectives and Design Integration

The objective of the Concentration in Environmental Engineering within the Civil Engineering program at Temple University is to provide students with the skills needed to understand environmental problems and to design (i.e., engineer) environmental systems to reduce and/or mitigate pollution. Environmental Engineering is a hybrid of Civil Engineering and Chemical Engineering, and it is thus natural for a civil engineer to broaden his/her knowledge in Environmental Engineering. Students in this Concentration would be in a program that satisfies ABET accreditation for Civil Engineers, but are more equipped than typical civil engineers to pass the Fundamental of Engineering and the Professional Engineer exams in the Environmental Engineering Category. The total number of credit hours for this concentration is 21, and the relevant courses are listed below.

Please contact the department or visit www.temple.edu/engineering/civil/conc.htm for more information.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CE</td>
<td>2711</td>
<td>Environmental Chemistry &amp; Microbiology</td>
<td>3</td>
<td></td>
<td>CHEM 1031, CHEM 1033</td>
</tr>
</tbody>
</table>
Minor in Environmental Engineering

Room 513, Engineering and Architecture Building
1947 North 12th Street
Philadelphia, PA 19122
215-204-7814

The Department of Civil and Environmental Engineering (CEE) offers a five-course (15 s.h.) undergraduate Minor in Environmental Engineering. Undergraduates from the Physical Sciences, Mathematics, and Engineering are eligible to participate in this program.

The purpose of the Minor is to allow students from a wide range of undergraduate majors to obtain an introductory background in sustainability, pollution prevention, environmental modeling, and pollution control technologies most appropriate to their interests and major field. The Minor in Environmental Engineering will add considerably to students' major program skills and make them more valuable to employers. Mathematics and Science majors will gain an understanding of engineering problem-solving processes and standard pollution control technologies. Engineering majors will understand the environmental effects of technologies in their major field and how to manage those effects. After the student completes the requirements for the minor, the minor will be recorded on the student's official University transcript upon graduation.

Academic Requirements for the Environmental Engineering Minor

Students pursuing an Environmental Engineering Minor must meet the following requirements:

- A minimum of C- in each course
- An overall GPA of 2.0 for courses in the Environmental Engineering minor

Courses

Two required courses:

- CE 2711. Environmental Chemistry & Microbiology (prerequisites: CHEM 1031, CHEM 1033)
- CE 3711. Environmental Engineering (prerequisites: ENGRG 3553, ENGRG 3571)
Three elective courses (minimum) may be taken after completion of the two required courses; choose from the following:

- CE 4621. Engineering Hydrology
- CE 4631. Environmental Hydrology
- CE 4711. Air Pollution Control System
- CE 4721. Water and Wastewater Systems Design
- CE 4731. Solid and Hazardous Waste Engineering
- CE 5701. Physical Principles of Environmental Systems
- CE 5702. Chemical Principles of Environmental Systems
- CE 5703. Mathematical Modeling
- CE 5622. Fate of Pollutants in Subsurface Environments
- CE 5623. Near-Surface Environmental Systems
- CE 5771. Chemistry for Environmentally Sustainable Engineering
- CE 5772. Sustainable Development and Industrial Ecology
- CE 5792. Biological Principles of Environmental Systems

Students are required to complete prerequisite courses (shown in parentheses above) as indicated for the two required courses. These prerequisite courses do not count toward the minimum of fifteen semester hours. The Department of Civil and Environmental Engineering maintains an approved list of elective courses.

Declaration of Environmental Engineering Minor

Students who are interested in pursuing an Environmental Engineering minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the Environmental Engineering minor upon completing no more than 6 credits toward the minor. There is no penalty if the minor is not completed. For more information and to declare the minor, please visit www.temple.edu/engineering/civil/minor.htm.

Electrical Engineering

Saroj K. Biswas, Chair and Program Coordinator
Room 711, Engineering and Architecture Building
215-204-8403
saroj.biswa@temple.edu
http://www.temple.edu/engineering/index.htm
http://www.temple.edu/ece

Program Goals, Objectives and Design Integration

The objective of the Electrical and Computer Engineering Program is to prepare students for careers as practicing engineers in areas such as digital systems, embedded processor applications, digital communications, control systems, sensor networks, biomedical signal processing, microelectronics, computer security, and power networks. These careers are in applications, development, research, and design of electric and electronic systems and devices. Electrical Engineers are involved in the design and development of telecommunications networks, cellular telephones, computer and other microprocessor-based devices, consumer electronics, control systems for space vehicles and robots, and in many aspects of the power and automotive industries.

The Department offers a concentration in Computer Engineering. The objective of the computer engineering concentration is to prepare students for a career in the area of Computer Engineering as it relates to the design of integrated software/hardware systems with both high and low level computer systems programming and applications to electrical systems. Computer engineers are responsible for the design, implementation, and application of computers and digital systems. The field covers hardware, software, and the interaction between them. The Computer Engineering concentration integrates courses on computer science fundamentals from the Department of Computer and Information Sciences of Temple University into the curriculum.

The Department also offers a concentration in Bioelectrical Engineering. The objective of the Bioelectrical Engineering concentration is to prepare students for careers in the emerging areas of biomedical signal and image processing.
assistance devices for the impaired, and bioelectronics. The Bioelectrical Engineering concentration utilizes courses in Biology, and Mammalian Anatomy and Physiology from the Department of Biology at Temple University as part of the curriculum.

The curriculum in Electrical Engineering is accredited by the Accreditation Board of Engineering and Technology (ABET). The curriculum features required courses in Mathematics, Chemistry, Physics, Humanities and Social Sciences, Composition and Writing, and the fundamentals of Electrical Engineering. The ABET minimum requirement for graduation is 124 semester hours, and students must satisfy the minimum requirement in each category as shown below. "Approve Elective" courses include Elective Electrical Engineering courses, and a selection of math, science, Engineering, and Computer Science courses as approved by the Department Chair. Students should consult the Department Chair or their academic advisor for any questions concerning the credit distribution.

**Curriculum**

**Electrical Engineering:**

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Courses/labs (Typical)</th>
<th>Credits (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Basic Sciences</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Composition and Writing</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Social Sciences</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Engineering</td>
<td>26</td>
<td>65</td>
</tr>
<tr>
<td>Approved Electives</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td><strong>Minimum requirement</strong></td>
<td></td>
<td><strong>124</strong></td>
</tr>
</tbody>
</table>

**Computer Engineering Concentration:**

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Courses/Labs (Typical)</th>
<th>Credits (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Basic Sciences</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Composition and Writing</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Social Sciences</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>26</td>
<td>65</td>
</tr>
<tr>
<td>Approved Electives</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td><strong>Minimum requirement</strong></td>
<td></td>
<td><strong>124</strong></td>
</tr>
</tbody>
</table>

**Bioelectrical Engineering Concentration:**

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Courses/labs (Typical)</th>
<th>Credits (Minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Basic Sciences and Biology</td>
<td>6</td>
<td>24</td>
</tr>
<tr>
<td>Composition and Writing</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Social Sciences</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Engineering</td>
<td>24</td>
<td>58</td>
</tr>
<tr>
<td><strong>Minimum requirement</strong></td>
<td></td>
<td><strong>124</strong></td>
</tr>
</tbody>
</table>

**Foundation Science and Math Courses in Electrical Engineering, and Computer Engineering Concentration**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math (Calculus Sequence)</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Math (Calculus Sequence)</td>
<td>1041, 1042, 2043, 3041</td>
<td>Calculus I, Calculus II, Calculus III, Differential Equations</td>
<td>4, 4, 4, 3</td>
<td>QB, QB, QB, QB</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>3522</td>
<td>Stochastic Processes, Signals &amp; Systems</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1061, 1062</td>
<td>Elementary Classical Physics I, II</td>
<td>4, 4</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Math Elective or EE 4412</td>
<td></td>
<td>Electrical Engineering curriculum only Consult academic advisor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math Elective or CIS 1166</td>
<td></td>
<td>Computer Engineering Concentration Consult academic advisor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>32</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Foundation Science and Math Courses in Bioelectrical Engineering Concentration

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math (Calculus Sequence)</td>
<td>1041, 1042, 2043, 3041</td>
<td>Calculus I, Calculus II, Calculus III, Differential Equations</td>
<td>4, 4, 4, 3</td>
<td>QB, QB, QB, QB</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>3522</td>
<td>Stochastic Processes, Signals &amp; Systems</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1061, 1062</td>
<td>Elementary Classical Physics I, II</td>
<td>4, 4</td>
<td>SA, SB</td>
</tr>
<tr>
<td>Biology</td>
<td>1011, 1012, 2233, 3334</td>
<td>General Biology I, General Biology II, Mammalian Anatomy, Mammalian Physiology</td>
<td>4, 4, 4</td>
<td>SA, SB, SB, SB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bioelectrical Engineering Concentration only Consult academic advisor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>42</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Required Communications, Humanities, and Social Science

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Core</td>
<td>Electives</td>
<td>Humanities and Social Science* Electives</td>
<td>18</td>
<td>CORE</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>24</strong></td>
<td></td>
</tr>
</tbody>
</table>

* See advisor-recommended courses, particularly if a transfer student.

### Required Courses: Electrical Engineering (65 s.h. minimum)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering</td>
<td>1112, 1113</td>
<td>Electrical Applications, Electrical Applications Lab</td>
<td>2, 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2312, 2322</td>
<td>Electrical Engineering Science I, II</td>
<td>4, 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2612, 2613</td>
<td>Digital Circuit Design, Digital Circuit Design Lab</td>
<td>3, 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3512, 3712</td>
<td>Signals: Continuous and Discrete, Intro to Electromagnetic Fields and Waves</td>
<td>4, 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3522, 3612</td>
<td>Stochastic Processes, Signals &amp; Systems, Microprocessor Systems</td>
<td>3, 3</td>
<td></td>
</tr>
</tbody>
</table>
## Required Courses: Computer Engineering Concentration (65 s.h. minimum)

Total credit hour for Computer Engineering concentration is 124. Other required courses for this concentration are listed above with Electrical Engineering Major Requirements - Science and Math / Communications, Humanities, and Social Science.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering</td>
<td>1112</td>
<td>Electrical Applications</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1113</td>
<td>Electrical Applications Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2312</td>
<td>Electrical Engineering Science I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2322</td>
<td>Electrical Engineering Science II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2612</td>
<td>Digital Circuit Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2613</td>
<td>Digital Circuit Design Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3512</td>
<td>Signal: Continuous and Discrete</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3522</td>
<td>Stochastic Processes, Signals &amp; Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3612</td>
<td>Microprocessor Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3613</td>
<td>Microprocessor Systems Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3622</td>
<td>Embedded System Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3623</td>
<td>Embedded System Design Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4512</td>
<td>Analog and Digital Communications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4513</td>
<td>Analog and Digital Communications Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4532</td>
<td>Computer Network Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4612</td>
<td>Advanced Microprocessor Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1101</td>
<td>Introduction to Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2011</td>
<td>Engineering Analysis and Applications</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4169</td>
<td>Engineering Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4196</td>
<td>Senior Design Project I</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>4296</td>
<td>Senior Design Project II</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CIS</td>
<td>1166</td>
<td>Math Concepts in Computing I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1068</td>
<td>Program Design and Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>4</td>
<td>QB</td>
</tr>
</tbody>
</table>

### Total Hours for Computer Engineering Concentration: 124 (minimum)
Required Courses: Bioelectrical Engineering Concentration (65 s.h. minimum):

Total Hours for Bioelectrical Engineering Concentration: 124 s.h. Other required courses for this concentration are listed above with Electrical Engineering Major Requirements - Science and Math / Communications, Humanities, and Social Science.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
<td>1112</td>
<td>Electrical Applications</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1113</td>
<td>Electrical Applications Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2312</td>
<td>Electrical Engineering Science I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2322</td>
<td>Electrical Engineering Science II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2612</td>
<td>Digital Circuit Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2613</td>
<td>Digital Circuit Design Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3512</td>
<td>Signal: Continuous and Discrete</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3522</td>
<td>Stochastic Processes, Signals &amp; Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3712</td>
<td>Electromagnetic Fields and Waves</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3612</td>
<td>Microprocessor Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3613</td>
<td>Microprocessor Systems Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3622</td>
<td>Embedded System Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3623</td>
<td>Embedded System Design Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4512</td>
<td>Analog and Digital Communications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4513</td>
<td>Analog and Digital Communications Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3412</td>
<td>Classical Control Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4522</td>
<td>Digital Signal Processing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1101</td>
<td>Introduction to Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2331</td>
<td>Engineering Analysis and Applications</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3725</td>
<td>Cell Biology for Engineers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4169</td>
<td>Engineering Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4196</td>
<td>Senior Design Project I</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>4296</td>
<td>Senior Design Project II</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>3334</td>
<td>Mammalian Physiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>3-4</td>
<td>QB</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>(can be either 3 or 4 s.h. courses)</td>
<td>9-12</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours for Bioelectrical Engineering Concentration: 124 (minimum)

**Additional Courses in Electrical and Computer Engineering**

With the approval of the Department Chair, students could take selected courses from another concentration area within the Department, which are counted as Approved Electives. The following courses also serve as Approved Electives for all students.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering</td>
<td>4312</td>
<td>Microelectronics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4542</td>
<td>Telecommunication Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4422</td>
<td>Digital Control Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4322</td>
<td>VLSI Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3722</td>
<td>Electric Power and Energy Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4712</td>
<td>Power Electronics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3722</td>
<td>EM Wave Propagation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4116</td>
<td>Spacecraft Systems Engineering</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Engineering

M. Kiani, Chair
R. Cohen, Program Coordinator
Program Goals, Objectives and Design Integration

The mission of the Mechanical Engineering Department is to provide an excellent educational experience for the students in its programs. This experience includes an emphasis on the technical, communication, and teamwork skills that graduate engineers need to succeed, in both the workplace and society in general. In order to achieve these goals, the department places great importance on teaching, research, scholarship, engineering practice, and service to the University community and the Engineering profession. The mechanical engineering program is structured to prepare the graduate for the professional practice of engineering and/or graduate school. The curriculum emphasizes a rigorous treatment of the mathematical and scientific approach to the solution of engineering problems. It provides a coherent set of courses in energy conversion and structures/motion in mechanical systems. The program has design across the curriculum and is capped with an integrated design experience in the form of a senior project.

A Bioengineering concentration is available in Mechanical Engineering. Contact the department for details.

Most technical courses in the program are offered during the day only.

Foundation Science and Math Courses for Mechanical Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>3041</td>
<td>Differential Equations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classic Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classic Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>30</strong></td>
<td></td>
</tr>
</tbody>
</table>

Required Communications, Humanities, and Social Science for Mechanical Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Core</td>
<td>Electives</td>
<td>Humanities and Social Science Various*</td>
<td>21</td>
<td>CORE</td>
</tr>
<tr>
<td>Core</td>
<td>Race</td>
<td>Studies in Race (may satisfy another CORE category)</td>
<td>RS</td>
<td></td>
</tr>
<tr>
<td>Library Skills</td>
<td></td>
<td>Temple Information Literacy Tutorial (TILT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>27</strong></td>
<td></td>
</tr>
</tbody>
</table>

* See advisor recommended courses particularly if transfer student.

Required Engineering Courses for Mechanical Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical</td>
<td>2305</td>
<td>Dynamics and Solids Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3305</td>
<td>Materials Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3506</td>
<td>Measurements of Fluids and Energy</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4405</td>
<td>Measurements &amp; Applications in Vibrations &amp; Controls</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4506</td>
<td>Energy Conversion Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3421</td>
<td>Dynamic Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3301</td>
<td>Machine Theory and Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4571</td>
<td>Advanced Thermodynamics and Combustion</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4572</td>
<td>Heat and Mass Transfer</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4422</td>
<td>Vibration Mechanics and Controls</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Civil & Construction Engineering Technology

P. Udo-Inyang, Program Coordinator
Room 530, Engineering and Architecture Building
215-204-7831

Program Goals and Objectives
The baccalaureate curriculum in Civil and Construction Engineering Technology prepares a student for a practitioner’s role in construction management or structural design.

Graduates are qualified for jobs as structural designers and detailers, construction field supervisors, estimators, expediters, construction cost analysts, schedulers, plan examiners for government agencies that control construction, and liaison personnel in plant engineering departments of large manufacturing organizations. Day and evening courses are available; however, most technical courses are offered in the evening only. While the day program requires a minimum of four years, a completed evening program may extend over eight to twelve years.

This program is accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET) (* see address below)

* Address:
Accreditation Board for Engineering and Technology Inc.
111 Market Pl., Suite 1050
Baltimore, MD 21202
www.abet.org

Foundation Science and Math Courses in CCET

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>Elective</td>
<td>Approved Math Electives</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1021</td>
<td>Introduction to General Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1022</td>
<td>Introduction to General Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Science</td>
<td>Elective</td>
<td>Geology or Chemistry</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 26
Required Communications, Humanities, and Social Science

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>1001 or 1004</td>
<td>Economic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Humanities/ Social Science*</td>
<td>Elective</td>
<td>Various Core Electives</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

* See advisor for recommended courses, particularly if a transfer student.

Required Engineering Courses for CCET

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCET</td>
<td>2120</td>
<td>Construction Methods &amp; Materials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3121</td>
<td>Construction Estimating</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3322</td>
<td>Construction Planning &amp; Scheduling</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3123</td>
<td>Construction Estimating Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>2125</td>
<td>Construction Contracts &amp; Specifications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3145</td>
<td>Structural Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3330</td>
<td>Soil Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>4335</td>
<td>Steel &amp; Wood Structures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>4336</td>
<td>Concrete &amp; Masonry Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>3350</td>
<td>Applied Hydraulics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>4355</td>
<td>Transportation Systems Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CCET</td>
<td>4396</td>
<td>Capstone in Construction</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal for Civil &amp; Construction Engineering Technology</td>
<td></td>
<td></td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>1105</td>
<td>Surveying</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>1115</td>
<td>Surveying Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>1010</td>
<td>Computers &amp; Special Topics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>2396</td>
<td>Environmental &amp; Safety Aspects of Construction</td>
<td>2</td>
<td>WI</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>2341</td>
<td>Construction Materials Laboratory</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Subtotal for Civil Engineering</td>
<td></td>
<td></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>EET</td>
<td>2104*</td>
<td>Introduction to Electrical Circuits</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Subtotal for Electrical Engineering Technology</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1101</td>
<td>Introduction to Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1117</td>
<td>Engineering Graphics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2331</td>
<td>Engineering Statics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>2333</td>
<td>Mechanics of Solids</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>3096</td>
<td>Economic Analysis</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal for Engineering</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Engineering Tech.</td>
<td>4119</td>
<td>Professional Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Subtotal for Engineering Technology</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Specialty Electives</td>
<td></td>
<td>Must be approved prior to registration</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Subtotal for electives</td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal for Required Courses | 76

* or Approved Building Systems course
Program Objectives
This program is offered on the Main Campus with some courses available at Temple University Ambler. Students may complete all required course work at night. The curriculum in Engineering Technology provides a broad base of technological skills extending across the traditional fields of engineering technology with a concentration designed by the student and faculty advisor to meet personal and career objectives. A plan of study can be developed with a focused track such as construction, environmental, computer, manufacturing, mechatronics, or energy. This program is accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET).

* Address:
Accreditation Board for Engineering and Technology, Inc.
111 Market Pl., Suite 1050
Baltimore, MD 21202
www.abet.org

Foundation Science and Math Courses in Engineering Technology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1022</td>
<td>Precalculus</td>
<td>4</td>
<td>QA</td>
</tr>
<tr>
<td>Math</td>
<td>1031</td>
<td>Differential &amp; Integral Calculus</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>Electives</td>
<td>Approved Math Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>3501</td>
<td>Statistics for Engineers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1021</td>
<td>Introduction to General Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1022</td>
<td>Introduction to General Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Laboratory I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>26</strong></td>
<td></td>
</tr>
</tbody>
</table>

Required Communications, Humanities, and Social Science

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Electives</td>
<td>University Core Requirements</td>
<td>18-21</td>
<td>Core</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>30-33</strong></td>
<td></td>
</tr>
</tbody>
</table>

Required Engineering Courses for Engineering Technology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGRG</td>
<td>2331</td>
<td>Engineering Statics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGRG</td>
<td>2333</td>
<td>Mechanics of Solids</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>2521</td>
<td>Applied Fluid Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td>4119</td>
<td>Professional Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENVTR</td>
<td>1051</td>
<td>Intro. to the Environment</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>ET</td>
<td>3396</td>
<td>Materials Technology</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>EE</td>
<td>2112</td>
<td>Electrical Devices &amp; Systems I</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
The College of Engineering has added an undeclared engineering program for those students interested in engineering but undecided on a particular field of study. Courses in this program have been determined for the first year only, since it is assumed that students will choose a curriculum following their first year of study.

Suggested first-year courses for this program are:

### Foundation for Undeclared Engineering Majors

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031 &amp; 1033</td>
<td>General Chemistry I and Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>CORE</td>
<td></td>
<td>Requirements in Core</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

### Required First Year Engineering Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>1101</td>
<td>Intro to Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>1117</td>
<td>Engineering Graphics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>1105 &amp; 1115</td>
<td>Surveying and Surveying Lab</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical</td>
<td>1112 &amp; 1113</td>
<td>Electrical Applications and Lab</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mission

The College of Health Professions exists to meet the ever-changing needs of society by preparing competent professionals from diverse backgrounds. The College fosters critical thinking, ethical behavior, life-long learning, and scholarship.

Since its inception in 1966, the College has prepared well-rounded practitioners who are sensitive to patient/client needs and whose professional competence is built on a solid foundation of clinical theory, laboratory practice, and clinical fieldwork/internships. The College offers six undergraduate programs that include Communication Sciences, Health Information Management, Kinesiology, Nursing, Public Health, and Therapeutic Recreation. Students graduating with a B.S. degree from Health Information Management, Kinesiology, Nursing, Public Health, or Therapeutic Recreation meet the entry-level requirements of their professions and are qualified to take state and/or national examinations leading to certification or licensure in their fields.

At the graduate level, the College offers health professional programs in Kinesiology, Nursing, Occupational Therapy, Physical Therapy, Public Health, Speech-Language-Hearing, and Therapeutic Recreation. For Occupational Therapy, Physical Therapy, and Speech-Language-Hearing, completion of the graduate level degree is required for certification and licensure in the profession. Students interested in these graduate programs must first complete a baccalaureate degree in a major commensurate with their interests and skills. Their baccalaureate degree should also include course work meeting the specific prerequisites for the professional program in which they are interested. Students are encouraged to contact the College of Health Professions for more information and advising.

Admissions

Students may obtain further information about the procedures for undergraduate admission to the College of Health Professions by contacting the specific program in which they are interested, the College of Health Professions Undergraduate Advisor (215-204-6779), or the Dean's Office (215-707-4800). Students can also visit the college's website at [www.temple.edu/chp/](http://www.temple.edu/chp/)

Admission to the Programs in Communication Sciences, Kinesiology, Public Health, or Therapeutic Recreation

Entering undergraduates, whether they are freshmen or transferring from other institutions, are admitted to these programs by submitting an application to the Office of Undergraduate Admissions of Temple University. Decisions are based on a review of the applicant's academic credentials. Current Temple students may also enter these programs through intra-university transfer (IUT) within the University. All interested students should direct admission questions to the College of Health Professions Undergraduate Advisor at 215-204-6779 or to the specific department of interest to them.

Admission to the Programs in Health Information Management and Nursing

Typically, freshmen interested in Health Information Management or Nursing are admitted to the Division of University Studies. The Division of University Studies provides initial advising to these students and students from other colleges within Temple University who are interested in the professional health programs. However, while enrolled in the Division of University Studies, students interested in Nursing are encouraged to meet with the pre-Nursing advisor in the Division of University Studies, and students interested in Health Information Management should meet with the pre-Health Information Management advisor in the Division of University Studies or contact the chairperson of the Health Information Management Department at 215-707-4811 or via e-mail at hlthinfo@temple.edu.

During the completion of their first pre-professional year, students interested in admission to Health Information Management or Nursing must apply to these programs. Applications may be made prior to completing all the prerequisites and Core courses and should be received one year prior to admission into the professional program. However, prior to starting the professional program in Nursing or Health Information Management, a student must complete a minimum of 55 credits of pre-professional college work, which includes the University Core Curriculum at Temple University or another university or college. The student must achieve transferable grades in all prerequisites and have a competitive grade point average (GPA) for initial consideration.

Current Temple University Students Transferring to Communication Science, Kinesiology, Public Health, or Therapeutic Recreation

Students interested in transferring into Communication Science (Speech-Language-Hearing or Linguistics), Kinesiology, Public Health and Therapeutic Recreation must attend a group advising session during the fall or spring semester. You should contact the College of Health Professions Undergraduate Advisor at 215-204-6779 or via e-mail at monicar@temple.edu to find out dates and times for upcoming sessions. Transfer applications (IUT's) will not be processed until the student attends the group advising session. Intra-university transfer students will be notified of the decision in a letter from the Dean's Office. A minimum GPA of 2.0 is required for admission to any of these programs.

© 2007, Temple University. All rights reserved.
Current Temple University Students Transferring to Nursing or Health Information Management

Students should contact the College of Health Professions Dean's office at 215-707-4800. Students must send the application and a $15.00 deposit to the Office of the Dean and comply with all admission requirements of the individual program. Applicants are notified of a final decision in a letter from the College of Health Professions. An acceptance letter will include the departmental required courses to be taken when applicable and semester in which study is to begin. Students will be requested to confirm their acceptance of admission with a $100.00 tuition deposit.

Academic Advising

The College of Health Professions Academic Advising Center, located in 1700 N. Broad St., Suite 310B, provides advisement for transfer and intra-university transfer students, students interested in learning more about programs in the health professions, and students with fewer than 60 credits in Communication Sciences, Public Health, and Therapeutic Recreation. Students interested in Kinesiology should meet with an advisor. The Kinesiology department is located in Room 114, Pearson Hall.

Students admitted to Health Information Management and Nursing and students in Communication Sciences, Public Health, and Therapeutic Recreation who have greater than 60 credits are advised by faculty in their academic department. Pre-nursing and Pre-Health Information Management students are advised in the Academic Resource Center (ARC), located on the first floor of 1810 Liacouras Walk. It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor will review the proposed course work and inform students of the requirements for graduation. In addition, the advisor helps students achieve breadth in their curriculum and provides other needed assistance.

Academic advisors strive to avoid errors when advising students about program requirements, although the college cannot assume liability for errors in advising. Students must, therefore, assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Policies and Regulations

Students are responsible for complying with all University-wide academic policies that apply to their individual academic status (Please see the Undergraduate Academic Policies). Additional and unique policies, or exceptions for the College of Health Professions, appear below.

Attendance

The College of Health Professions desires to promote professional responsibility among its students. It is, therefore, the policy of the College to place the responsibility for class attendance upon the students. Students are accountable for all work missed due to absence. Instructors are not required to make special arrangements or examinations for students who are absent. There are certain courses that require a minimum number of hours of student participation in laboratory or clinical experiences, as established by the professional accrediting agency and/or the academic department concerned. At the beginning of each such course, the department shall make the attendance requirement clearly known to the enrolled students. Excessive absences may, at the option of the department, jeopardize the student's grade and/or continuance in the course. If, in the opinion of the department, a student is absent to the point of endangering his or her successful completion of a course, an official warning shall be issued through the department. If the absences continue, the student may receive a failing grade.

Dean's List

Students who complete a minimum of 12 semester hours and earn a semester GPA of 3.50 will be placed on the Dean's List. Students who earn "I"s or "NR"s for that semester will not be eligible.

Ethics

Since students of the College of Health Professions are enrolled in professional programs, they are expected to abide by standards of professional conduct and behavior at all times.

Program Performance

The grading system is in accordance with the system adopted by Temple University. For students enrolled in this College, a grade of C is the lowest acceptable final grade in major courses. Students not achieving a grade of C or better are required to repeat those courses in which they have failed to demonstrate acceptable performance.
Student Code of Professional Conduct

The College of Health Professions prepares practitioners to fulfill their ideals of service in the health care setting. In attaining these goals, practitioners must demonstrate exemplary professional behavior, as this is the keystone of the professional associations of the seven disciplines within this College. The Code of Conduct of Temple University's College of Health Professions is intended to contribute to an environment in which excellence in learning and conduct may be fostered.

All terms of the Students' Rights, Code of Conduct, and Disciplinary Procedures for Temple University apply to students within the College of Health Professions. In addition to the major violations noted by the University Code, another action has been identified by the faculty of the College as constituting a major infraction of the Code: "Unethical conduct or intentional neglect of duty on clinical practice."

College Graduation Requirements

For the College of Health Professions, see the individual programs of study for graduation requirements.

Student Contact Information

Students are asked to call the College of Health Professions Advising Office at 215-204-6779, the department, or the Dean's Office at 215-707-4800 with questions regarding the college or specific departments. For contact information in a specific department, visit the website at www.temple.edu/chp. Also, click the links at left for specific department and program information.

College of Health Professions Faculty

Administration
Ronald T. Brown, Ph.D., Dean.
Donna Weiss, Ph.D., Associate Dean for Faculty and Academic Affairs.
Vickie Sierchio, M.S., Director of Human Resources.

Communication Sciences & Disorders

Professor
Reinhardt Heuer, Ph.D., University of Oregon.
Aquiles Iglesias, Ph.D., The University of Iowa.

Associate Professor
Brian Goldstein, Ph.D., Acting Chair, Temple University.
Camillia Keach, Ph.D., University of Massachusetts.
Rena Krakow, Ph.D., Yale University.
Nadine Martin, Ph.D., Temple University.
Barbara Mastriano, Ph.D., Temple University.
Brian McHugh, Ph.D., University of California at Los Angeles.
Gary Milsark, Ph.D., Massachusetts Institute of Technology.

Clinical Instructor
Doris Fallon Snyder, M.A., Temple University.
Beth Levine, M.S., Boston University.

Health Information Management

Associate Professor
Laurinda B. Harman, Ph.D., Chair, The Fielding Institute.
Assistant Professor
Cathy A. Flite, M.Ed., RHIA, Widener University.
Margaret M. Foley, Ph.D., M.B.A., RHIA, CCS Temple University.
Mary Elizabeth Morton, M.L.I.S., RHIA, Louisiana State University.

Nursing

Professor
Jill B. Derstine, R.N., Ed.D., FAAN, Chair, Temple University.
Nancy Rothman, R.N., Ed.D., Independence Foundation Professor, Temple University.

Associate Professor
Susan B. Dickey, R.N., Ph.D., University of Pennsylvania.
Patricia Hentz, EdD, CS, PMH, NP-BC, Columbia University.
Jane Kurz, R.N., Ph.D., University of Delaware.
Dolores Zygmont, R.N., Ph.D., Temple University.

Assistant Professor
Diane C. Adler, R.N., Ph.D., FAAN, FCCM, University Of Pennsylvania.
Pamela Bender, M.S.N., CRNP, Villanova University.
Kathleen Black, R.N., DNSc, Widener University.
Catherine Curley, R.N., M.S.N., West Chester University.
Carol Dakin, R.N., Ph.D., University of Pennsylvania.
Patricia DiGiacomo, M.S.N., Temple University.
Patricia Dillon, R.N., D.N.Sc., Widener University.
Evelyn Dogbey, R.N., M.S.N., Temple University.
Elaine Gross, R.N., M.S.N., Villanova University.
Felicia Haskins, M.S.N., Widener University.
Barbara Hughes, R.N., M.S.N., University of Pennsylvania.
Anne-Marie Kiehne, R.N., M.S.N., Ph.D. Temple University.
Rita J. Lourie, R.N., M.S.N., M.P.H., Temple University.
Kathleen Mahoney, CRNP, Ph.D., New York University.
Lori Martin-Plank, M.S.P.H., M.S.N., APRN, BC, Villanova University.
Kim Noble, R.N., Ph.D., Temple University.
Karen Schaefer, R.N., D.N.Sc., Catholic University.
Elizabethe Westgard, M.S.N., Drexel University.

Public Health

Professor
Thomas F. Gordon, Ph.D., Michigan State University.
Alice Hausman, Ph.D., Chair, SUNY-Binghamton; M.P.H., Harvard University.
Robert Patterson, Sc.D., Harvard University.
Sheryl Ruzek, Ph.D., University of California-Davis; M.P.H., University of California-Berkeley.
Jay Segal, Ph.D., Ohio State University.

Associate Professor
Sarah Bass, Ph.D., Temple University.
Nikki Franke, Ed.D., Temple University.
Clara Haighnere, Ph.D., University of Denver; M.P.H., Columbia University; CHES.
Grace Ma, Ph.D., University of Oklahoma.
Brenda Seals, Ph.D., University of Iowa.

Assistant Professor
Bradley N. Collins, Ph.D., Binghamton University.
Judith E. Gold, Sc.D., University of Massachusetts.
Alexandra L. Hanlon, Ph.D., Temple University.
Jennifer K. Ibrahim, Ph.D., University of California –Berkeley.
Deborah Brooks Nelson, Ph.D., University of Pittsburgh.

**Therapeutic Recreation**

**Professor**
John Shank, Ed.D., Chair, Boston University; CTRS.
Yoshitaka Iwasaki, Ph.D., University of Waterloo.

**Associate Professor**
Catherine Coyle, Ph.D., Temple University; CTRS.
Adam Davey, Ph.D., Pennsylvania State University.

**Clinical Associate Professor**
Barbara Wilhite, Ed.D., University of Georgia; CTRS.

**Clinical Assistant Professor**
Susanne Lesnik-Emas, Ed.D., Temple University; CTRS.
Rhonda Nelson, Ed.M., Temple University; CTRS.

**Clinical Instructor**
Nannette Vliet, Ed.M., Temple University; CTRS.

**Emeritus Faculty**

**Professor**
Nellie M. Bering
Hyman L. Dervitz
Catherine Dietz
Amy Blatchford Hecht
Helen L. Hopkins
Elaine O. Patrikas
Olive J. Rich
Katherine Shephard
Wanda C. Wilkes
Jean H. Woods
Joan B. Liebler

**Associate Professor**
Dana G. Close
Elizabeth G. Tiffany

**Assistant Professor**
Fredra H. Gaines
Charles C. Hampton
Lewis O. Ingersoll
Ruth M. Ingersoll
Dolores S. Patrinos
Carole J. Simon
Bachelor of Arts
1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with your advisor, you will be able to plan your curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the Academic Policies section of this Bulletin.

The Bachelor of Arts degree in Communication Sciences may be conferred upon a student by recommendation of the faculty upon the satisfactory completion of 122 semester hours of credit with no grade in the major or core areas of C- or below. The Department of Communication Sciences and Disorders (CSC+DIS) requires both non-western international studies and language. Language is to be taken up to or beyond the 1002 level. Students may take American Sign Language I (CSC+DIS 5534) and American Sign Language II (CSC+DIS 5634) to satisfy the language requirement for the department. If so, they must take 2 international studies courses to satisfy the University Core requirements, of which one must be non-western. In addition to taking University Core requirements, all students will complete two department core courses, CSC+DIS 2201 (Introduction to Communication Research) and CSC+DIS 1596 (Introduction to Human Communication), as well as the requirements of one of two tracks, Speech-Language-Hearing or Linguistics. Students who complete the major may graduate with distinction in the department if they meet the requirements outlined below. In addition to the Major in Communication Sciences, the department also offers a Minor.

Summary of Requirements for Graduation with Distinction in the Major
1. GPA of 3.5 or better
2. No grade of below B in the major
3. Completion of an honors paper at the end of a 3-credit independent study (CSC+DIS 4979) during which the student will engage in an empirical study or library research in the field of Communication Sciences under the supervision of an honors advisor.
4. Completion of 20 hours of volunteer work, internship, or fieldwork in consultation with the honors advisor.

Communication Sciences Major Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>1596</td>
<td>Introduction to Human Communication (F)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2201</td>
<td>Intro to Communication Research (F)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Speech-Language-Hearing Track

Speech-Language-Hearing Track: Summary of Requirements
1. University requirements
   University Core Curriculum including completion of the Temple Information Literacy Tutorial or TILT (formerly called Library Orientation), and all students must take Psych 1061 for core requirement in Individual and Society.

2. Major Requirements
   CSC+DIS 1596 and 2201

3. Track Requirements
   CSC+DIS 2197, 2207, 2208, 2217, 2218, 3233, 3234, 3235, 3301, 4301, 4396
   Courses in Related Disciplines (Physics 1003, PSYCH 2301)
   Course in Biological Science (Biology 1012)

Speech-Language-Hearing Track: Required Courses in the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
Speech-Language-Hearing Track: Required Courses, Related Areas

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2301</td>
<td>Developmental Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Acoustics</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Linguistics Track

Linguistics Track: Summary of Requirements

1. University requirements
   University Core Curriculum including completion of the Temple Information Literacy Tutorial or TILT (formerly called Library Orientation)

2. Major Requirements
   CSC+DIS 1596 and 2201

3. Track Requirements
   CSC+DIS 1108, 2207, 2208, 3297, 3233, 3301, 4389
   At least four elective courses chosen from the Recommended Electives list below. Other courses may be substituted with advisor approval.

Linguistics Track: Required Courses in the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>1108</td>
<td>Introduction to Linguistics (F, S)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2207</td>
<td>Phonetics (F, S) (Co-req: CSC+DIS 2208)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2208</td>
<td>Phonology (F, S) (Co-req: CSC+DIS 2207)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>3233</td>
<td>Basic Speech Science (S) (Pre-req: CSC+DIS 2207, CSC+DIS 2208, Physics 1003)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>3297</td>
<td>Syntax (S)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>3301</td>
<td>Speech &amp; Language Development (S) (Pre-req: CSC+DIS 1108 or 2201 or English 2821; &amp; CSC+DIS 2207 and 2208)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>4389</td>
<td>Field Research in Communication (S) (Pre-req: CSC+DIS 2207, 2208, 3297)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates writing capstone for major
## Linguistics track, recommended electives - must take at least four (4)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>2197</td>
<td>Communication Deviations &amp; Disorders (F, S)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2217</td>
<td>Grammatical Description (F)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2218</td>
<td>Language Processing (F) (Pre-req: CSC+DIS 0217)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>3235</td>
<td>Human Neuroscience (F, S)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>5729</td>
<td>Language &amp; Deafness</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3822</td>
<td>Semantics (F)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3823</td>
<td>History of the English Language (S)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2507</td>
<td>Fundamentals of Linguistic Anthropology (F, S, SS)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3211</td>
<td>Intermediate Logic (S)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3216</td>
<td>Philosophy of Science (S)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>4251</td>
<td>Philosophy of Language (F)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2101</td>
<td>Foundations of Cognitive Psych (S, SS)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Courses in a foreign language (including American Sign Language) beyond those numbered "1002" (limit: two courses).

## Communication Sciences Minor Requirements

Five required courses in the department plus an additional two or three courses from among a list of five in the department.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>1596</td>
<td>Introduction to Human Communication (F)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2111</td>
<td>Language &amp; Race (S)</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2197</td>
<td>Communication Deviations &amp; Disorders (F, S)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2207</td>
<td>Phonetics (F, S) (Co-req: CSC+DIS 2208)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2208</td>
<td>Phonology (F, S) (Co-req: CSC+DIS 2207)</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Select either 1108 or both 2217 & 2218:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>1108</td>
<td>Introduction to Linguistics (F, S, SS)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2217</td>
<td>Grammatical Analysis (F) (Co-req: CSC+DIS 2218)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>2218</td>
<td>Language Processing (F) (Co-req: CSC+DIS 2217)</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Plus, select one of the following:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC+DIS</td>
<td>3297</td>
<td>Syntax</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CSC+DIS</td>
<td>3301</td>
<td>Speech &amp; Language Development (S)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

## Health Information Management

Laurinda B. Harman, Ph.D., RHIA, Chair
3307 N. Broad Street, Philadelphia, PA 19140
215-707-4811
hthinfo@temple.edu
www.temple.edu/HIM/

A career as a Health Information Management (HIM) professional allows individuals to combine interests in health care, business, and information technology. HIM professionals have expertise in health informatics, which requires knowledge of clinical medicine and the electronic health record (EHR). This individual also has expertise in coding and classification systems, quality and human resource management, the legal and ethical aspects of health information systems, the regulatory and accrediting agency requirements, and the public policy issues that affect the health information system. Clinical internships are scheduled at several health care institutions.

The HIM professional works closely with all other health professionals to collect and disseminate the information needed to provide high-quality patient care. The health information system supports the needs of patients, health care professionals,
administrators, the community, and those involved in research and education. Job opportunities include positions with hospitals and other health care institutions, research and pharmaceutical firms, and governmental agencies. Career opportunities for the HIM professional include: Information Security Officer, Director of Integrated Health Information Systems, Director of Medical Records, Research and Decision-Support Analyst, Clinical Data Specialist, Data Resource Administrator, Patient Information Manager and Clinical Coding Specialist.

Certification
Following satisfactory completion of all course requirements, the graduate is awarded the degree of Bachelor of Science in Health Information Management and is eligible to write the examination of the American Health Information Management Association for certification as a Registered Health Information Administrator (RHIA), which is nationally and internationally recognized.

Accreditation
The baccalaureate program in Health Information Management at Temple University is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Requirements
This is an upper-level program, and students are admitted in the fall of the junior year and must have 55 credits completed by the fall semester of admission to the program. Transfer students must have their transfer credits evaluated by the admissions office and must meet core and prerequisite requirements of the program.


2. Program requirements - Health Information Management prerequisites. The prerequisites for the Health Information Management curriculum include courses that fulfill the CORE requirements.
Qualitative Reasoning: QA: Math 1011 (College Mathematics) and QB: Statistics 2101 (Statistical Methods & Concepts)
OR Mathematics 1013 (Elements of Statistics) OR Psychology 1167 (Foundations in Statistical Methods).
Science and Technology: Kinesiology 1223 & 1224 (Anatomy & Physiology I & II) and Computer & Information Sciences 1055 (Computers & Applications).

3. Electives: 7-8 credits. Strongly recommended electives include HIM 1101 (Medical Terminology) and computer science, business, and writing intensive electives.

Course Requirements for Health Information Management

<table>
<thead>
<tr>
<th>Pre-Professional Requirements</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirements, including the following prerequisites</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Math 1011 College Mathematics or equivalent QA course</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Statistics 2101 Statistical Methods &amp; Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>MATH 1013 Elements of Statistics</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Psychology 1167 Fundamentals in Statistical Methods</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Kinesiology 1123 Human Anatomy &amp; Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Kinesiology 1124 Human Anatomy &amp; Physiology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Computer &amp; Information Sciences 1055 Computers &amp; Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Total</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Curriculum</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year, Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIM 3105 Language of Medicine</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>HIM 3101 Health Information Systems in Acute Care</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>HIM 3113 Healthcare Database Administration</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM 3103 U.S. Health Care System</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM</td>
<td>3202</td>
<td>Legal Aspects of Health Information Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>3211</td>
<td>Management in Health Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>3285</td>
<td>Acute Care Internship</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>3204</td>
<td>Health Information Systems in Nonacute Care</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>3208</td>
<td>International Classification of Disease</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>3206</td>
<td>Clinical Medicine I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM</td>
<td>4101</td>
<td>Health Informatics: Infrastructure and Standards</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4197</td>
<td>Human Resource Management in Health Information Systems</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>HIM</td>
<td>4105</td>
<td>CPT Coding</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4107</td>
<td>Quality Improvement in Healthcare</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4109</td>
<td>Clinical Medicine II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4186</td>
<td>Nonacute Care Internship</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM</td>
<td>4202</td>
<td>Health Informatics: Systems and Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4298</td>
<td>Health Information Management Case Studies</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>HIM</td>
<td>4204</td>
<td>Systems Analysis in Health Information Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4286</td>
<td>Management Internship</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4211</td>
<td>Political, Social and Ethical Aspects of HIM</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4213</td>
<td>Healthcare Reimbursement Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM</td>
<td>4202</td>
<td>Health Informatics: Systems and Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4298</td>
<td>Health Information Management Case Studies</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>HIM</td>
<td>4204</td>
<td>Systems Analysis in Health Information Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4286</td>
<td>Management Internship</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4211</td>
<td>Political, Social and Ethical Aspects of HIM</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HIM</td>
<td>4213</td>
<td>Healthcare Reimbursement Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits Required for Graduation**

**125**

*Indicates writing capstone for major.

---

**Kinesiology**

Rick Swalm, Undergraduate Coordinator
215-204-8713
rswalm@temple.edu

The undergraduate program in Kinesiology leading to the Bachelor of Science degree requires students to complete course work in three broad areas: the University Core Curriculum, the Kinesiology Core, and a professional application of the discipline of Kinesiology.

The University Core Curriculum is divided into ten categories (i.e., intellectual heritage, composition and writing, individual and society, foreign language/international studies, quantitative analysis, arts, American culture, studies in race, science and technology, and library orientation). Even though there are numerous courses which can be taken to meet these requirements, the department requires Human Anatomy and Physiology I and II (Kinesiology 1223 and 1224) for the science and technology requirement and Psychology as a Social Science (Psychology 1061) for the individual and society requirement. All University Core courses must be completed with a minimum C- grade in order to count toward graduation.

Kinesiology is the study of physical activity. The Kinesiology Core includes a group of foundation courses (Kinesiology 1201, 1202, 2203, 2204, 3202, 3296, 4279) that deal with the intellectual, physical, social, psychological, and...
philosophical factors which influence and are influenced by human beings as they move. In addition to taking the foundation courses, students are required to satisfy the forms of movement requirement, which consists of developing knowledge and skills in a broad spectrum of movement activities (i.e., aquatics, fitness, survival, and lifestyle).

The professional application programs allow students to concentrate their studies in one of four areas (i.e., athletic training, exercise and sport science, teacher education (PHETE), and pre-health professional studies). Students select the program that satisfies their short term educational and professional objectives.

The Undergraduate Athletic Training Program prepares students to work with physically active populations at all levels of competition. The athletic trainer functions as an integral member of the athletic health care team in secondary schools, colleges, universities, professional teams, and sports medicine clinics, providing leadership in the prevention, evaluation, immediate care, and rehabilitation of sport-related injuries. The athletic training program requires fulfillment of both academic course work and clinical field work experiences. This program of study is approved by the Commission on the Accreditation of Athletic Training Education (CAATE) and is designed to prepare students for certification as athletic trainers by the National Athletic Trainers' Association (NATA) and for Class "A" certification in the Commonwealth of Pennsylvania.

Admission into the athletic training program occurs upon students identifying athletic training as their intended course of study. This admission may take place either during the sophomore year or any time afterward.

The Exercise and Sport Science Program provides students with knowledge and competencies required for professional service in a variety of sport, fitness, wellness, and rehabilitation settings. The Exercise and Sport Science Program also prepares students for graduate study in exercise physiology or in a variety of related health professions. Program competencies include health screening, fitness assessment, exercise program development, health-fitness counseling, and therapeutic exercise supervision of patients with special needs. Concentration courses include, but are not limited to: advanced exercise physiology, exercise in health and disease, exercise testing and programming, electrocardiography, exercise and aging, and applied technology. The exercise and sport scientist understands the complexity of the human body and the interaction among physical activity, exercise and good health. The improved function, health, and well being of the total person - Body, Mind, and Spirit - are the ultimate goals of professionals in this field.

The exercise scientist applies their knowledge, skills, and beliefs to all people regardless of gender, age, social status, and current health-related fitness level or disease state. Wherever there is a need to improve functionality, health-fitness, medical prognosis, optimal aging, or wellness, one will find an exercise scientist providing leadership in programs that help individuals optimize their lives and health. In summary, exercise science is a stimulating area of study and a rewarding professional application with a very bright future.

The Department of Kinesiology offers two programs in Exercise and Sport Science at the undergraduate level. They are:

Option I - Exercise and Sport Science-Health/Wellness
Option II - Exercise and Sport Science-Health/Wellness/Pre-Professional

Teacher education is the focus of the undergraduate Physical and Health Education Teacher Education (PHETE) program. This concentration prepares students to teach physical and health education in public and private schools (grades K through 12). The PHETE program integrates academic preparation with fieldwork experiences each semester, culminating in a dual level (secondary and elementary) full semester, student teaching experience. Course work in discipline specific content, methods of teaching, assessment and evaluation, educational psychology, educational foundations, cultural diversity and adapted activities, and administration all help teacher education students assume their roles as competent teachers in today's society. Admission into the PHETE program takes place after the sophomore year upon completing the pre-admission course work; two in-school teaching experiences; the Pre-Professional Skills Tests in reading, mathematics, writing; and the Praxis test in fundamental content knowledge, as well as an interview with the PHETE faculty. All PHETE and Public Health courses must be completed with a minimum B- grade in order to count toward certification. A cumulative GPA of 3.0 or greater is required for admission and certification. After admission, one additional Praxis test is required for certification: Health and Physical Education Content Knowledge. Upon completion of the program, and after passing the appropriate standardized tests, graduates will be licensed to teach by the Commonwealth of Pennsylvania.

Kinesiology Pre-Health Professional Program

The Department of Kinesiology offers a general studies program that includes the Kinesiology Core and an expanded Liberal Arts and Sciences base under the option Pre-Health Professional Program. This combination of course work and practical experience gained by volunteer work will position the student for continued study at the graduate level in a variety of health professions, including occupational therapy and physical therapy. The program includes the standard prerequisite courses for occupational and physical therapy, but students are advised to check the prerequisites for their intended graduate program and work these into their program where elective course work is afforded. Students are also
advised to maintain a minimum grade point average of 3.0 (B) since entry into graduate programs in the health professions is highly competitive. A "B" or better in the specific prerequisites is required for most graduate programs.

**Curriculum and Degree Requirements**

All students must complete 1-4 below:

1. University Core Curriculum - Selected Courses (35-40 s.h.)
2. Kinesiology Core Courses - Kinesiology 1201, 1202, 2203, 2204, 3202, 3296, 4279 (22 s.h.)
3. Forms of Movement Courses - Kinesiology 1001-1099 (4-8 s.h.)
4. Program specific requirements and elective courses (60-70 s.h.)

Note: All courses in the Department of Kinesiology must be completed with a minimum grade of C-. The Kinesiology Core and program requirements must be satisfactorily completed prior to enrolling in any internship/externship or student teaching experience.

**Professional Option Requirements**

Students may select a professional application program and electives to complete the 128 semester hours required for graduation. There are four options: I. Athletic Training; II. Exercise and Sport Science; III. Physical and Health Education Teacher Education (PHETE); and IV. Kinesiology Pre-Health Professional Program. They are more fully described below.

**Kinesiology Foundation Requirements**

Psychology 1061 (3 s.h.) - Psychology as a Social Science
Kinesiology 1223 (4 s.h.) - Human Anatomy and Physiology I
Kinesiology 1224 (4 s.h.) - Human Anatomy and Physiology II
Mathematics 1011 (3 s.h.) - College Mathematics (Take MATH 1011 or higher, depending on program requirements)

**Kinesiology Departmental Requirements**

Kinesiology 1201 (3 s.h.) - Introduction to Kinesiology
Kinesiology 1202 (2 s.h.) - Concepts in Health-Related Fitness
Kinesiology 2203 (4 s.h.) - Physiology of Physical Activity
Kinesiology 2204 (3 s.h.) - Motor Behavior
Kinesiology 3202 (4 s.h.) - Biomechanics of Physical Activity
Kinesiology 3296 (3 s.h.) - Social & Psychological Aspects of Physical Activity
Kinesiology 4279 (3 s.h.) - History and Philosophy of Kinesiology

**Physical Activity Requirement**

Physical Fitness Activity (Kinesiology 1202)
Lifestyle Activity
Survival Activity
Aquatics Activity
Elective Activity

**Physical and Health Education Teacher Education (PHETE)**

<table>
<thead>
<tr>
<th>PHETE Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHETE</td>
<td>2541</td>
<td></td>
<td>Introduction to Teaching Health Education I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>2542</td>
<td></td>
<td>Introduction to Teaching Health Education II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>2543</td>
<td></td>
<td>Basic Movement I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>2544</td>
<td></td>
<td>Basic Movement II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>2555</td>
<td></td>
<td>Micro-teaching in PHETE</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>2556</td>
<td></td>
<td>Tutorial in PHETE</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>3541</td>
<td></td>
<td>Advanced Movement I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>3542</td>
<td></td>
<td>Advanced Movement II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>3553</td>
<td></td>
<td>PHETE I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>3554</td>
<td></td>
<td>PHETE II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHETE</td>
<td>3561</td>
<td></td>
<td>Health Science I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1442</td>
<td>Basic Techniques in Athletic Training</td>
<td>2</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>1444</td>
<td>Movement Injuries: Prevention &amp; Care</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2441</td>
<td>Lower Extremities: Assessment &amp; Treatment</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2442</td>
<td>Upper Extremities: Assessment &amp; Treatment</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3441</td>
<td>Therapeutic Modalities in Athletic Training</td>
<td>4</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3442</td>
<td>Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3443</td>
<td>Head, Neck, &amp; Spine: Assessment &amp; Treatment</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3444</td>
<td>General Medical Conditions in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3487</td>
<td>Practicum in Athletic Training I</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3687</td>
<td>Practicum in Athletic Training II</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4311</td>
<td>Advanced Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4443</td>
<td>Organization &amp; Administration in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4450</td>
<td>Special Topics in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4487</td>
<td>Practicum in Athletic Training III</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4687</td>
<td>Practicum in Athletic Training IV</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
</tr>
<tr>
<td>Public Health</td>
<td>2207</td>
<td>Emergency Medical Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1001-1099</td>
<td>Forms of Movement (Activity Courses)</td>
<td>4-8</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>1201</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>1202</td>
<td>Concepts in Health-Related Fitness</td>
<td>2</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2203</td>
<td>Physiology of Physical Activity</td>
<td>4</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2204</td>
<td>Motor Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3202</td>
<td>Biomechanics of Physical Activity</td>
<td>4</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3296</td>
<td>Social &amp; Psychological Aspects of Physical Activity</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4279</td>
<td>History &amp; Philosophy of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4282</td>
<td>Independent Study in Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>
### Pre-Health Profession Core

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Laboratory I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry Laboratory II</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>1021</td>
<td>Introduction to General Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>1022</td>
<td>Introduction to General Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Psychology</td>
<td>2000+</td>
<td>Upper level elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2000+</td>
<td>Upper level elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td></td>
<td>(MATH 1013, SOC 1167, or PSYCH 1167)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>Electives (6 to 8 courses)</td>
<td>18-24</td>
<td></td>
</tr>
</tbody>
</table>

### Exercise and Sport Science

**Option I - Health and Wellness**

**Kinesiology Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1444</td>
<td>Movement Injuries: Prevention &amp; Care</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2362</td>
<td>Introduction to Exercise &amp; Sport Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2364</td>
<td>Applied Technology in Kinesiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3363</td>
<td>Basic Electrocardiography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3368</td>
<td>Principles of Health Fitness Program Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4311</td>
<td>Advanced Physiology of Exercise</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4312</td>
<td>Exercise &amp; Nutrient Metabolism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4313</td>
<td>Exercise &amp; Aging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4314</td>
<td>Neuromuscular Principles of Strength &amp; Conditioning</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4334</td>
<td>Introduction to Exercise Testing</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4385</td>
<td>Internship in Exercise &amp; Sport Science</td>
<td>6-12</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3103</td>
<td>Counseling Techniques</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Certification Requirement**

Advanced First Aid/CPR/AED or Equivalency

0

**Option II - Health, Wellness, Pre-Health Professions**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1444</td>
<td>Movement Injuries: Prevention &amp; Care</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2362</td>
<td>Introduction to Exercise &amp; Sport Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>2364</td>
<td>Applied Technology in Kinesiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>3363</td>
<td>Basic Electrocardiography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4311</td>
<td>Advanced Physiology of Exercise</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4312</td>
<td>Exercise &amp; Nutrient Metabolism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4313</td>
<td>Exercise &amp; Aging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4314</td>
<td>Neuromuscular Principles of Strength &amp; Conditioning</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4334</td>
<td>Introduction to Exercise Testing</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>4385</td>
<td>Internship in Exercise &amp; Sport Science (Optional)</td>
<td>3-12</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry Lab I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry Lab II</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Nursing

Bachelor of Science (BSN)
Jill B. Derstine, RN, Ed.D., FAAN, Chair
Nursing Main Office Number: 215-707-4686
Nursing Fax: 215-707-1599
www.temple.edu/nursing

Accreditation
The program is approved by the State Board of Nursing, Commonwealth of Pennsylvania, and accredited by the Commission on Collegiate Nursing Education. CCNE can be reached at One Dupont Circle, NW, Suite 503, Washington, D.C. 20036, 202-887-6791. Graduates are eligible to sit for the National Council Licensure Examination (NCLEX) leading to licensure as a Registered Nurse.

Pre-Professional Requirements for Nursing

Freshman Year, Fall Semester*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1021</td>
<td>Introduction to Chemistry I</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1023</td>
<td>Introduction to Chemistry Laboratory I</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1021</td>
<td>College Algebra</td>
<td>4</td>
<td>QA</td>
</tr>
<tr>
<td>Sociology</td>
<td>1176</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>LA/IS Core</td>
<td></td>
<td>International Studies/Foreign Language****</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

*For students applying to Nursing Program for Fall 2007

****One International Studies course must be non-Western or Third World

Freshman Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1223</td>
<td>Human Anatomy &amp; Physiology I*</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1022</td>
<td>Introduction to Chemistry II</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1024</td>
<td>Introduction to Chemistry Lab II</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Intellectual Heritage</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science**</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

*For students applying to Nursing Program for Fall 2007

**Prerequisite for Psychology 2301 (Developmental Psychology)

Sophomore Year, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1224</td>
<td>Human Anatomy &amp; Physiology II***</td>
<td>4</td>
<td>SB</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Sophomore Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>2111</td>
<td>Microbiology</td>
<td>4</td>
<td>RCI</td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Core Elective</td>
<td>American Culture</td>
<td></td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Core****</td>
<td>Elective</td>
<td>Foreign Language/International Studies</td>
<td>3-4</td>
<td>LB/IS</td>
</tr>
<tr>
<td>Core Elective</td>
<td>Studies in Race</td>
<td></td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17-18</td>
<td></td>
</tr>
</tbody>
</table>

****One International Studies course must be non-Western or Third World

(Note: Temple students who meet the University’s Undergraduate Core Curriculum requirements through the 45+ Transfer Core or Core-to-Core Transfer must still take these specific courses to meet department requirements.)

### Special Fees

A laboratory fee of approximately $250.00 (subject to change), covering all four professional semesters, is charged and paid in four installments. Uniforms, books, and equipment total approximately $600 in the first semester. In addition, some courses have special fees attached.

### Professional Curriculum

The following program of study is prescribed.

#### Junior Year, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>3141</td>
<td>Nursing Care: Adult Client Systems</td>
<td>4</td>
<td>RCI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3144</td>
<td>Health Assessment</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3142</td>
<td>Introduction to Nursing Systems</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3187</td>
<td>Practicum I: Care of Adult Client Systems</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3261</td>
<td>Pathophysiology &amp; Applied Pharmacology for Nursing I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>3297</td>
<td>Research Methods</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3244</td>
<td>Care of the Developing Family System</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3287</td>
<td>Nursing Care Family Systems Practicum II</td>
<td>2</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3387</td>
<td>Nursing Care: Child Practicum IIB</td>
<td>2</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3262</td>
<td>Pathophysiology &amp; Applied Pharmacology for Nursing II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
### Nursing 4197 Epidemiology in Nursing Systems 3 WI
Nursing 4142 or 4143 Health Care of Diverse Client Systems 3 RS
Nursing 4141 Care of Chronic Ill Client Systems (Theory/Lab) 4
Nursing 4187 Mental Health Practicum 2
Nursing 4287 Geriatric Clinical Practicum 2
**Total** 14

#### Senior Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>4244</td>
<td>Professional Issues in Nursing</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4297</td>
<td>Nursing Leadership</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>4243</td>
<td>Management Health Crisis (Theory/Lab)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4387</td>
<td>Advance Medical Surgical Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4487</td>
<td>Mentorship Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4245</td>
<td>Nursing Synthesis</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Minimum Total Credits Required for Degree** 123

**15 Month BSN Accelerated Program**

Admission requirements include completion of a degree in another field and a personal interview. Admission to the program is highly competitive and will also be based on completion of the pre-professional requirements for the BSN listed above.

The first year of study is identical to the Professional Curriculum of the junior year with the exception of Research Methods in the Winterim Session of the junior year. The senior year is as follows:

#### Senior Year, 1st Summer Session

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>4141</td>
<td>Care of Chronic Ill Client Systems (Theory/Lab)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4187</td>
<td>Mental Health Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4287</td>
<td>Geriatric Clinical Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year, 2nd Summer Session

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>4197</td>
<td>Epidemiology in Nursing Systems</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>4142</td>
<td>Health Care of Diverse Client Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>4244</td>
<td>Professional Issues in Nursing</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4297</td>
<td>Nursing Leadership</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>4243</td>
<td>Management of Health Crisis (Theory/Lab)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4387</td>
<td>Advance Medical Surgical Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4487</td>
<td>Mentorship Practicum</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4245</td>
<td>Nursing Synthesis</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Advanced Placement Program for Registered Nurses (The R.N. to B.S.N. Program)**

Registered nurses who are graduates of diploma and associate degree programs may apply for admission with advanced standing. Applicants need not have completed all the pre-professional requirements before admission to the program. They
should seek an appointment with the program Director to discuss the program requirements and get additional information on this curricular option. The nurse must be licensed or eligible for licensure in the Commonwealth of Pennsylvania. Pre-professional requirements may be satisfied by transfer of acceptable college credits, by work in the College Level Examination Program (CLEP), or by taking the stipulated courses at Temple University. Nurses who have graduated from state-approved nursing programs in the United States and who have current nursing experience are granted 32 advanced placement credits in the nursing curriculum. Those who do not meet these criteria validate their nursing knowledge through standardized challenge tests.

Non-Matriculated Advanced Placement Students

Non-matriculated students are those who have not been formally admitted to the Nursing program. Non-matriculated students are required to apply for admission before they complete 12 credits or before they enroll for their third semester.

Professional Curriculum

Requirements - Department of Nursing

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>3111</td>
<td>Nutrition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>3143</td>
<td>Health Assessment for Registered Nurses</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>3796</td>
<td>Teaching Strategies for Health Professionals</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3261</td>
<td>Pathophysiology &amp; Applied Pharmacology for Nursing I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>3262</td>
<td>Pathophysiology &amp; Applied Pharmacology for Nursing II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>3297</td>
<td>Research Methods</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>3246</td>
<td>Professional Issues for Registered Nurses</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4777</td>
<td>Epidemiology for Registered Nurses*</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4787</td>
<td>Community Health*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>4896</td>
<td>Leadership in Nursing*</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Nursing</td>
<td>4877</td>
<td>Professional Seminar*</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

*Taken Concurrently

Public Health

Alice Hausman, M.P.H., Ph.D., Chair
1700 N. Broad St.
Suite 304
Philadelphia, PA 19122
Public Health Main Office Number: 215-204-8726
Public Health Fax: 215-204-1854
www.temple.edu/publichealth

The Department of Public Health's curriculum prepares students for diverse careers in the public health field that focus on creating, implementing, and evaluating interventions and programs designed to improve health status and quality of life for all individuals. The Department offers a nationally-ranked Bachelor of Science degree in public health for undergraduate students in which students study the broad range of public health concerns, including individual disease prevention and injury/harm reduction behaviors, distribution and development of disease through epidemiological assessment and community program development, implementation, and evaluation. Students learn to use educational interventions to provide health information, gain experience in assessing the needs of target populations, clarify program goals and objectives, and develop strategies to motivate and involve their clients/patients in educational interventions. The department has a national reputation in all curricular areas and meets appropriate accreditation standards. Graduates from the program are eligible to sit for the national certifying exam. They can also apply for Temple's fully accredited Master of Public Health program.

The Public Health major trains entry-level health educators to provide front line preventive health information, services, and health behaviors interventions at the community level, particularly in communities with high-risk populations. Graduates typically work in: voluntary health agencies, public health departments, hospitals, rehabilitation centers, corporate work sites, community health organizations, family planning clinics, and managed care facilities.
**Mission of the Department**

The mission of the department emphasizes the principles and practices of applied social-behavioral science of health education by creating and evaluating applied interventions, programs, curricula, and policies designed to improve the health status and quality of life of individuals and communities. The department strives to contribute to the rapidly changing knowledge base in the applied social-behavioral sciences. The department's strong service mission ensures that faculty and students are available to the communities served by Temple University; thus the department emphasizes scholarly service to regional, state, and national institutions and organizations, including schools, hospitals, and voluntary and government health agencies. Because of the pressing needs for health services in the region, coupled with our urban location, the program emphasizes public health and health education for diverse populations.

The Department of Public Health follows the requirements set forth by Temple University regarding Core Curriculum. The department has established additional core and cognate requirements for all Public Health majors.

**Public Health Major**

**Freshman Year, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>MATH</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3 or 4</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3</td>
<td>AR/AC/RS</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>15-16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3</td>
<td>AR/AC/RS</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3 or 4</td>
<td>LB/IS</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3</td>
<td>AR/AC/RS</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Public Health</td>
<td>1101</td>
<td>Introduction to Public Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>15-16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1223</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Public Health</td>
<td>1105</td>
<td>Society, Drugs &amp; Alcohol Perspectives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2102</td>
<td>Environmental Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health Related Professions</td>
<td>2103</td>
<td>Health Psychology &amp; Human Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1223</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>1106</td>
<td>Human Sexuality</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2101</td>
<td>Disease Prevention &amp; Control</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business &amp; Industry</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psych/Soc</td>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td>3</td>
<td>QB</td>
</tr>
</tbody>
</table>
## Public Health

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3105</td>
<td>Teaching Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3496</td>
<td>Public Health Programs</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Computer and</td>
<td>1055</td>
<td>Computers &amp; Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Information</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total** 16

## Junior Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3101</td>
<td>Epidemiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3102</td>
<td>Research Methodology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3104</td>
<td>Professional Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3106</td>
<td>Teaching Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3596</td>
<td>Public Health Program Administration</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Total** 15

## Senior Year, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3103</td>
<td>Counseling Techniques for Health Professionals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3185</td>
<td>Internship I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td></td>
<td>Elective</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Healthcare Management</td>
<td>3501</td>
<td>Introduction to Healthcare Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Elective</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 16

## Senior Year, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>4185</td>
<td>Internship II</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td></td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 15

## Minimum Total Credits Required for Degree

124

## Transfer Student - Public Health

### 1st Semester Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1101</td>
<td>Introduction to Public Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>1105</td>
<td>Society, Drugs &amp; Alcohol Perspectives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2102</td>
<td>Environmental Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health Related Professions</td>
<td>2103</td>
<td>Health Psychology &amp; Human Behavior</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 15

### 2nd Semester Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>1106</td>
<td>Human Sexuality</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2101</td>
<td>Disease Prevention &amp; Control</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business &amp; Industry</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Healthcare Management</td>
<td>3501</td>
<td>Introduction to Healthcare Management</td>
<td>3</td>
<td>IN</td>
</tr>
</tbody>
</table>

**Total** 15

© 2007, Temple University. All rights reserved.
### 3rd Semester Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3102</td>
<td>Research Methodology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3104</td>
<td>Professional Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3105</td>
<td>Teaching Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3496</td>
<td>Public Health Programs</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Computer and</td>
<td>1055</td>
<td>Computers and Applications</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Information Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 4th Semester Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3101</td>
<td>Epidemiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3106</td>
<td>Teaching Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3185</td>
<td>Internship I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3596</td>
<td>Public Health Program</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 5th Semester Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>3103</td>
<td>Counseling Techniques for Health Professionals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>4185</td>
<td>Internship II</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>varies</td>
<td>varies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Minor in Public Health

#### Foundation Requirements

Required 15 credits

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Title</th>
<th>Hours</th>
<th>Sem.</th>
<th>Co-/Prereq.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1101</td>
<td>Intro to Public Health</td>
<td>3</td>
<td>F/S</td>
<td>Math 1013/Phys 1167</td>
</tr>
<tr>
<td>Public Health</td>
<td>1201</td>
<td>Contemporary Health Issues</td>
<td>3</td>
<td>F/S</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2102</td>
<td>Environmental Health</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3101</td>
<td>Epidemiology</td>
<td>3</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>Health Related</td>
<td>2103</td>
<td>Health Psych/Human Behavior</td>
<td>3</td>
<td>F/S</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Public Health and Society Electives

*Choose one of the following:*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Title</th>
<th>Hours</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1104</td>
<td>Nutrition &amp; Health</td>
<td>3</td>
<td>F/S</td>
</tr>
<tr>
<td>Public Health</td>
<td>1105</td>
<td>Society, Drugs &amp; Alcohol Perspectives</td>
<td>3</td>
<td>F/S</td>
</tr>
<tr>
<td>Public Health</td>
<td>1106</td>
<td>Human Sexuality</td>
<td>3</td>
<td>F/S</td>
</tr>
<tr>
<td>Public Health</td>
<td>2101</td>
<td>Disease Prevention &amp; Control</td>
<td>3</td>
<td>S</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### General Public Health Electives

*Choose one of the following:*
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Title</th>
<th>Hours</th>
<th>Semester</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>1103</td>
<td>International Health</td>
<td>3</td>
<td>F/S</td>
<td>IS</td>
</tr>
<tr>
<td>Public Health</td>
<td>2201</td>
<td>Health Communication</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2203</td>
<td>AIDS &amp; Society</td>
<td>3</td>
<td>Inter-session/Summer</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2204</td>
<td>Diet &amp; Weight Management</td>
<td>3</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>2209</td>
<td>Violence &amp; Injury Prevention</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>3103</td>
<td>Counseling Techniques</td>
<td>3</td>
<td>F/S</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>21</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Therapeutic Recreation

John Shank, Ed. D., CTRS, Chair  
1700 N. Broad St.  
Suite 313  
Philadelphia, PA 19122  
Main Office Phone: 215-204-2703  
Fax: 215-204-1386  
[www.temple.edu/TR](http://www.temple.edu/TR)

The Department of Therapeutic Recreation is composed of three degrees: a B.S. in therapeutic recreation, an Ed.M. in therapeutic recreation, and an interdisciplinary Ph.D. in Health Studies with a cognate concentration in TR. Recreation therapists use recreation and leisure activities to facilitate recovery, health, and wellness in individuals with disabilities. The primary goal of the undergraduate program is to prepare entry-level recreation therapists to deliver rehabilitation, health promotion, and disease prevention programs to individuals with disabilities. Alumni of Temple's therapeutic recreation degree programs can be found in a wide range of health and human services agencies. They are employed in diverse settings, including hospitals, rehabilitation centers, nursing homes, assisted living facilities, schools, and community recreation agencies. According to the U.S. Department of Labor, employment opportunities are expected to continue growing in the residential and outpatient settings that serve disabled persons, the elderly, or those diagnosed with mental retardation, mental illness, or substance abuse problems, including community care facilities for the elderly (including assisted living facilities), residential mental retardation, mental health, and substance abuse facilities; and facilities that provide individual and family services (such as day care centers for the disabled persons and the elderly).

### Mission of the Department

The Department of Therapeutic Recreation strives to be a world class academic and research unit committed to advancing the role of play, recreation, and leisure opportunities in health promotion, rehabilitation and disease prevention for diverse individuals with chronic illnesses and disabilities across the life span. The department provides exceptional educational experiences, conducts discipline-expanding research, and contributes to society via programs that explore and test evidenced-based innovations in practice and policy. The department’s mission includes:

- Instilling knowledge, values, ethics and skills that will guide students in their future academic pursuits and their professional practice in therapeutic recreation at the local, national and international levels;
- Being a leading contributor to the ever-changing knowledge base in health, leisure, and disability studies through research and other scholarly activities; and,
- Providing innovative and responsive educational opportunities, research and service in collaboration with local, regional, and national agencies and organizations.
- Fostering interdisciplinary collaborations to promote a better understanding of the importance of physically and socially active lifestyles to health, well-being and quality of life.

Central to the overall mission of the Department of Therapeutic Recreation is a commitment to access and diversity. This is realized through a commitment to ensuring equal access to all qualified applicants (students and faculty) and a commitment to promoting equal access to recreation and leisure opportunities for all people regardless of age, economics, race, gender, culture, sexual orientation, religion or abilities.
Certification
Following satisfactory completion of all coursework and internship requirements, graduates with the B.S. degree in Therapeutic Recreation are eligible to sit for the national certifying examination in therapeutic recreation administered by Educational Testing Services and the National Council on Therapeutic Recreation Certification.

Therapeutic Recreation - Bachelor of Science
A Bachelor of Science (BS) degree in Therapeutic Recreation (TR) is awarded to students upon satisfactory completion of a minimum of 121 semester hours of credit with a minimum GPA of 2.0 overall and 2.5 in the major. Students completing this degree are eligible to sit for the national credentialing examination for recreation therapists.

Summary of Requirements
1. University Requirements. Students must complete University Core requirements (36-43 s.h.), including 9 semester hours of writing-intensive courses (WI). Certain courses fulfill both University Core requirements and major requirements. These include Kinesiology 1223 (first-level science core requirement), Psychology/Sociology 1167 (second-level quantitative reasoning core requirement), Psychology 1061 (Individual & Society core) and Health Related Professions 1101 (Individual & Society core).

2. Major Requirements. Students must complete a set of specific courses in the major, including two credit-earning field-based clinical internships (TR 3185 and TR 4185). Students may choose from a list of approved external related electives, which are courses related to the major but offered outside the Department. Students must also complete other non-credit earning requirements as part of the major, including 120 hours of professional/volunteer experiences relevant to the major, certification in First-Aid/CPR, and a Library Skills competency test (also called Temple Information Literacy Tutorial or TILT).

Students must successfully pass all Health Related Professions courses (HRP 1101, 2103) and Cognate Core courses (KNSLOGY 1223, PSYCH 1061, PSYCH/SOC 1167, PSYCH 2301/EDUC 1322, and PSYCH 2201) with a minimum grade of C or higher. Students not demonstrating the ability to meet this academic requirement will not be permitted to progress to the Upper Division TR Core and related electives in the curriculum until the minimum C is achieved. In addition, all TR courses must be completed with a grade of C or higher. In accordance with College policy, students may only repeat a course once to achieve the minimum C.

The following grid displays required courses. Please note that, unless specified otherwise, students may select from a number of University-approved courses in the various areas of the Core Curriculum.

An asterisk (*) after the Core Indicator indicates the Writing Capstone.

Year 1 – Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002/1022</td>
<td>College Composition</td>
<td>3</td>
<td>CO/RC</td>
</tr>
<tr>
<td>Select one of the following Health Related Professions Courses:</td>
<td></td>
<td></td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Health Related Professions</td>
<td>1101 or 1201</td>
<td>Contemporary Aspects of Disability (preferred) or Introduction to Health Professions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Core Elective</td>
<td>Select a course from indicated Core area</td>
<td>3 or 4</td>
<td>LA/IS</td>
<td></td>
</tr>
<tr>
<td>Core Elective</td>
<td>Select a course from indicated Core area</td>
<td>3</td>
<td>AR/RS</td>
<td></td>
</tr>
<tr>
<td>Core Elective</td>
<td>Library Skills</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>15-16</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Year 1 – Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>1102</td>
<td>Adapted Sport, Recreation &amp; Inclusive Leisure Services</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Intellectual Heritage</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Core Elective</td>
<td>Select a course from indicated Core Area</td>
<td>3</td>
<td>AR/RS</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Core</th>
<th>Elective</th>
<th>Select a course from indicated Core Area</th>
<th>3 or 4</th>
<th>LB/IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>15-16</td>
<td></td>
</tr>
</tbody>
</table>

**Year 2 – Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology</td>
<td>1223</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2103</td>
<td>Foundations of Therapeutic Recreation Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>General Elective</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Intellectual Heritage</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following Psychology/Education courses:

- Psychology 2301 or 1322 Developmental Psychology
- Sociology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Year 2 – Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Related Professions</td>
<td>2103</td>
<td>Health Psychology &amp; Human Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STHM (External Related Elective)</td>
<td>1496</td>
<td>Leisure in American Culture (preferred) or other American Culture core</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2104</td>
<td>Therapeutic Recreation Modalities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Select any SB course</td>
<td>3 or 4</td>
<td>SB</td>
</tr>
</tbody>
</table>

Select one of the following Psychology/Sociology courses:

- Psychology 1167 or 1167 Foundations in Statistical Methods or Social Statistics
- Sociology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>15-16</td>
<td></td>
</tr>
</tbody>
</table>

**Year 3 – Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>3101</td>
<td>Assessment &amp; Documentation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2201</td>
<td>Foundations of Psychopathology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>General Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Related Writing-Intensive Elective</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Select one of the following Therapeutic Recreation Courses:

- Therapeutic Recreation 3203 or 2201 TR & Mental Health or TR & Developmental Disabilities

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Year 3 – Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>3185</td>
<td>Internship I (Pre-req: TR 2103, TR 3101, TR 2104)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3111</td>
<td>Health Promotion through Leisure (Pre-req TR 1102 &amp; TR 2103)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3103</td>
<td>Professional Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>General Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Select two of the following **Therapeutic Recreation** courses:  

<table>
<thead>
<tr>
<th>Therapeutic Recreation</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3205</td>
<td>TR &amp; Long Term Care</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3211</td>
<td>TR &amp; Physical Disabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3213</td>
<td>TR &amp; Pediatric Health Care</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 18

**Year 4 – Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>4196</td>
<td>Clinical Procedures in TR (pre-req: TR 3185, TR 3101, TR 2104)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>4111</td>
<td>Administration of Therapeutic Recreation (Pre-req: TR 3185)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3196</td>
<td>Research &amp; Evaluation (pre-req.: Stat/QB)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>General Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following **Therapeutic Recreation** Courses:

<table>
<thead>
<tr>
<th>Therapeutic Recreation</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3203</td>
<td>TR &amp; Mental Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2201</td>
<td>TR &amp; Developmental Disabilities</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 15

**Year 4 – Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>4185</td>
<td>Internship II (Pre-req: All required coursework)</td>
<td>12</td>
</tr>
</tbody>
</table>

Subtotal 12

**Total Credits Required for Degree** 121 min*

*KNSLOGY 1223, PSYCH or SOC 1167, PSYCH 1061 and HRP 1101 fulfill departmental and core requirements

(Note: Students may lighten their academic load in the fall and spring semesters by taking classes during the summer sessions. Please see your advisor to explore summer course offerings and suitable options.)

**Transfer Curriculum**

The following course sequencing for Fall and Spring transfers is based on meeting Temple University’s Core-to-Core Transfer requirements for students with an approved associate degree from a community college with an approved Core-to-Core agreement. (See Core Transfer programs at [www.temple.edu/bulletin/Academic_programs/core/transfer_programs/core_transfer_programs.shtm](http://www.temple.edu/bulletin/Academic_programs/core/transfer_programs/core_transfer_programs.shtm)). If your transfer courses do **not** include coursework in anatomy and physiology, human growth and development, and abnormal psychology, you will be required to take these courses as part of your B.S. degree. In some instances, the general elective requirements identified may be used to meet this requirement. Students should check with their academic advisor and faculty mentor regularly to make certain they are meeting all requirements to be eligible for graduation.

**FALL TRANSFER**

**1st Semester - Fall**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Related Professions</td>
<td>1101</td>
<td>Contemporary Aspects of Disability</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>1102</td>
<td>Adapted Sport, Recreation &amp; Inclusive Leisure Services</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2104</td>
<td>Therapeutic Recreation Modalities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2103</td>
<td>Foundations of Therapeutic Recreation Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>Related Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Select one of the following **Therapeutic Recreation** Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3203</td>
<td>TR and Mental Health</td>
<td></td>
</tr>
<tr>
<td>2201</td>
<td>TR and Developmental Disabilities</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 18

---

### Second Semester - Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>3103</td>
<td>Professional Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3101</td>
<td>Assessment &amp; Documentation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3111</td>
<td>Health Promotion through Leisure (Pre-req TR 1102 &amp; TR 2103)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health Related Professions</td>
<td>2103</td>
<td>Health Psychology &amp; Human Behavior</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select two of the following **Therapeutic Recreation courses**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3205</td>
<td>TR &amp; Long Term Care</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>TR &amp; Physical Disabilities</td>
<td></td>
</tr>
<tr>
<td>3211</td>
<td>or TR &amp; Pediatric Health Care</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 18

---

### 3rd Semester - Summer

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>3185</td>
<td>Internship I (Pre-req TR 2103, TR 3101, TR 2104)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 3

---

### 4th Semester - Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>4196</td>
<td>Clinical Procedures in TR (Pre-req: TR 3185, TR 3101, TR 2104)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>4111</td>
<td>Administration of Therapeutic Recreation (Pre-req: TR 3185)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3196</td>
<td>Research &amp; Evaluation (Pre-req: Stat/QB)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Related Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>Related Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following **Therapeutic Recreation Courses**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>3203</td>
<td>TR &amp; Mental Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>TR &amp; Developmental Disabilities</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 18

---

### 5th Semester - Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>4185</td>
<td>Internship II (Pre-req: All Required Coursework)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 12

Total Credits Required for Degree: 121 min
## SPRING TRANSFER

### 1st Semester - Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Related Professions</td>
<td>1101</td>
<td>Contemporary Aspects of Disability</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>1102</td>
<td>Adapted Sport, Recreation &amp; Inclusive Leisure Services</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2104</td>
<td>Therapeutic Recreation Modalities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2103</td>
<td>Foundations of Therapeutic Recreation Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health Related Professions</td>
<td>2103</td>
<td>Health Psychology and Human Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3101</td>
<td>Assessment and Documentation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 2nd Semester - Summer

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology or Related Elective</td>
<td>1223</td>
<td>Anatomy and Physiology or Related Elective</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3185</td>
<td>Internship I (Pre-req TR 2103, TR 3101, TR 2104)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 3rd Semester - Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>3103</td>
<td>Professional Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3196</td>
<td>Research and Evaluation (Pre-req: Stat/QB)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>4111</td>
<td>Administration of Therapeutic Recreation (Pre-req: TR 3185)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3203</td>
<td>TR and Mental Health</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>2201</td>
<td>TR and Developmental Disabilities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 4th Semester - Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>4196</td>
<td>Clinical Procedures in TR (Pre-req: TR 3185, TR 3101, TR 2104)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>3111</td>
<td>Health Promotion through Leisure (Pre-req TR 1102 &amp; TR 2103)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Related Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td></td>
<td>Related Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Select two of the following Therapeutic Recreation Courses:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic Recreation</td>
<td>2205</td>
<td>Adventure Programming</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
TR and Physical Disabilities
or
TR and Pediatric Healthcare
or
TR and Long Term Care

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>3211</td>
<td>TR and Physical Disabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3213</td>
<td>TR and Pediatric Healthcare</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3205</td>
<td>TR and Long Term Care</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 18

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutic</td>
<td>4185</td>
<td>Internship II (Pre-req: All Required Coursework)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal 12

Total Credits Required for Degree 121 min

**COLLEGE OF LIBERAL ARTS**

Founded 1884

Teresa Scott Soufas, Dean
Anderson Hall, 12th Floor
1114 W. Berks Street
215-204-7747

Benjamin Rifkin, Vice Dean for Undergraduate Affairs
1206 Anderson Hall
215-204-7743
brifkin@temple.edu
www.temple.edu/CLA

Danielle Reinhart, Director of the Academic Advising Center
1810 Liacouras Walk, Third Floor
215-204-7971
danielle.reinhart@temple.edu
www.temple.edu/cla/Advising/

**Introduction**

Whatever your career aspirations, your future begins in the College of Liberal Arts. Our courses and majors build toward exciting internships and co-op opportunities, offering practical, valuable work experience as you explore literature, languages, history, psychology, criminal justice, the social sciences, and more. The College of Liberal Arts integrates skills in effective communication in speech and writing, critical and analytical thinking, problem solving, and technological literacy - tools necessary for any professional career. Our courses train students to identify and evaluate sources of information in a world in which information is abundant; our students learn to use that information to analyze the arguments of others and to construct their own arguments in a broad range of disciplines in the humanities and social sciences. Students in the College of Liberal Arts are also trained to understand information in its cultural context, with course work in foreign languages and international studies. We offer degree programs at all Philadelphia area campuses as well as international options for study. In the College of Liberal Arts, you will be able to choose from among the nation’s leading scholars, professors who have connections both to the world of work and to graduate and professional schools.

Liberal Arts programs easily accommodate minors or certificates in other schools or colleges, allowing students to prepare for careers in business, law, medicine, media, government, education, and a variety of profit and non-profit organizations and institutions. Whether your interests lie in one of our many undergraduate majors, in the pre-professional programs of Law, Medicine, or Health Professions, or even if you are not yet decided on a major, your future begins here in the College of Liberal Arts.
In the College of Liberal Arts, scholarly excellence and originality are our highest goals. We offer a rigorous curriculum, but also demand that our students learn how to generate original ideas, in addition to learning from the faculty. Situated within a large and vibrant research university, the College of Liberal Arts is a wonderful place to pursue original research and contribute to the world of knowledge. Through rigorous courses, directed research, independent studies, and honors programs, undergraduates in the liberal arts are encouraged to develop their own scholarly projects. Such projects are a critical part of intellectual growth at Temple, and lead to excellence and success in all careers.

The College’s undergraduate programs prepare students to enter the world as informed, responsible citizens, as women and men making consequential choices about the future of their communities, and as leaders in the careers they choose to pursue not only immediately upon graduation, but ten, twenty and thirty years later as they move from one career to the next. Because a rapidly-changing technological society cannot prosper without men and women trained in the methods of logical inquiry, deductive reasoning, and critical analysis, the College holds fundamental assumptions about undergraduate education:

- There are certain skills and concepts basic to all academic disciplines, and their mastery is essential for all subsequent study;
- A liberal education should teach students how to learn;
- Factual knowledge has value only when the methods of inquiry which led to its creation are understood.

The undergraduate Core Curriculum is based upon the skills and knowledge essential to a liberal education. In a world which every year becomes more complex and where information becomes more highly specialized, the ability to speak and write well—to communicate and describe ideas in language that is clear and precise—is the greatest asset of an educated man or woman. The increasing reliance of society upon numbers also requires the ability to manipulate numerical data, to recognize their misuse, and to understand the multiple interpretations they often permit. Informed judgment requires of the student an awareness of the diversity of cultures and knowledge of our intellectual heritage and the major texts through which that heritage is transmitted. Personal fulfillment rests upon the appreciation of truth and beauty manifested in the works of religion, philosophy, and the arts.

Baccalaureate programs in the divisions of the College of Liberal Arts—the social sciences and the humanities—lead from the Core Curriculum toward mastery of the subject matter, methods, and values of a chosen field, and prepare the students for life after graduation, whether students embark upon a career or further study in graduate or professional programs. In conjunction with the major, many students complete pre-professional coursework required for preparation for future studies in the health sciences, dentistry, law, pharmacy, or medicine. All of our programs offer undergraduates the opportunity to work with distinguished faculty and a richly-diverse and stimulating student body as they prepare for an active role in a future of change and challenge.

**Accreditation**

Departments and programs at Temple University are accredited by the Middle States Commission on Higher Education ([www.msche.org](http://www.msche.org)). Individual departments and programs may carry additional accreditation by the official accreditation body for that discipline.

**Special Programs:**

**Center for Internships and Career Development**

Dr. Michael Szekely, Coordinator  
Third Floor, 1810 Liacouras Walk  
215-204-6704  
mszekely@temple.edu

The Center for Internships and Career Development (CICD) links College of Liberal Arts students and faculty to organizations in the greater Philadelphia region in order to provide applied learning and career-oriented opportunities, as well as forums for engaged research. This also includes the development of experiential and career development programs and resources, including: internships (from smaller community-based organizations to larger non-profit organizations, from social services agencies to governmental agencies, from publishing firms to law firms), externships, volunteering, community service, building resumes, interviewing techniques, and matching the breadth of skills associated with a liberal arts education to concrete career paths and goals. Comprehensive manuals are also available for students, faculty, and departments. Contact the CICD to schedule an appointment.
The First-Year Writing Program comprises English 0701, 0711, 1002, 1012, and 1022. English 0701 is a 4-credit course that focuses on writing within a single theme and disciplinary approach. English 1002 is a 3-credit course that takes a broader perspective, requiring students to explore a single theme from the point of view of at least two disciplines; the course meets the Core Composition requirement. English 1022 is the same as 1002 except that the readings focus on the study of race. 1022 meets the Core Studies in Race requirement as well as the Core Composition requirement. English 0711 and 1012 are courses designed to meet the needs of the ESL (English as a Second Language) learner, and the guidelines for English 0701 and English 1002 are followed.

English 0701 and 1002 form a year-long sequence to introduce students to academic discourse. Entering first-year students are either placed into the 0701-1002 sequence, placed into 1002 only, or exempted from these courses entirely. Placement is based on a formula which takes into account the results of the placement exam, DTLS reading and writing scores, high school rank, and the SAT verbal score.

Until students have completed their English 0701/0711 requirement, they may not enroll in English 1002/1012. English 1002/1012 is a prerequisite for Intellectual Heritage 1196 and 1297 and any upper-level course in the College of Liberal Arts. English 1002/1012 or 1022 may not be taken for credit by students who have successfully completed English 1977.

The Intellectual Heritage Program is a writing-intensive two-course sequence required as part of the University Core curriculum. Through encounters with some of the rich, complex, and historically-significant texts that have shaped the culture we know in the United States today, students build reading, writing, and speaking skills and intellectual curiosity and engagement. Students become familiar with some of the key concepts and moments in Western and other intellectual traditions.

Intellectual Heritage is required of all entering undergraduate students. Satisfactory completion of the Core Composition requirement is prerequisite to IH 1196. IH 1196 is prerequisite to IH 1297. Honors sections are offered as IH 1196 and 1297, respectively.

The Intellectual Heritage Program is a writing-intensive two-course sequence required as part of the University Core curriculum. Through encounters with some of the rich, complex, and historically-significant texts that have shaped the culture we know in the United States today, students build reading, writing, and speaking skills and intellectual curiosity and engagement. Students become familiar with some of the key concepts and moments in Western and other intellectual traditions.

Intellectual Heritage is required of all entering undergraduate students. Satisfactory completion of the Core Composition requirement is prerequisite to IH 1196. IH 1196 is prerequisite to IH 1297. Honors sections are offered as IH 1196 and 1297, respectively.

Study Abroad
Undergraduates majoring in any liberal arts discipline may pursue a large variety of study abroad options. Temple University has campuses in Rome, Italy, and Tokyo, Japan. We offer a program in London, England, and exchange programs with universities in England, Germany, and Puerto Rico. Summer programs are also offered in France, Ghana, Great Britain, Italy, Japan, and South Africa. In addition, CLA undergraduates can choose to study in non-Temple programs around the world. See International Academic Programs in Tuttleman Hall or www.temple.edu/studyabroad for more information about study abroad options.
University Honors Program

The College of Liberal Arts participates in two university-wide honors programs: the lower-division University Honors Program and the upper-division Honors Scholars Program. See Academic Programs/University Honors or www.temple.edu/vpus/programs_initiatives/index.htm#uh for more information about both these programs.

Departmental Honors Programs

Some departments in the College of Liberal Arts offer departmental Honors Programs. Students should consult the Undergraduate Chairperson in the selected department regarding eligibility and the Program requirements.

Teacher Preparation

A liberal arts education provides an excellent foundation for students interested in pursuing careers in teaching at the elementary and secondary levels. A solid grounding in academic content, along with broad training in critical thinking, analytical reasoning, and communication skills offers students a distinct advantage in the twenty-first century classroom.

Five-Year Combined B.A./M.Ed. Teaching Certification Program

Matthew Badura
Program Advisor
CLA Academic Advising Center
mbadura@temple.edu

Temple’s Five-Year Teacher Education Program provides an opportunity for students to obtain an undergraduate degree while simultaneously pursuing a Master’s degree in education that leads to Teaching Certification in Elementary Education, Special Education, or Secondary Education for the Commonwealth of Pennsylvania.

Students in the five-year program enroll in graduate-level courses beginning in the fall semester of the junior year. After completing their undergraduate degrees, students make a seamless transition into graduate studies for one additional year.

Eligible Majors:

• Majors in most disciplines can apply for Elementary Education and Special Education Certification.
• Majors in English, Foreign Languages, History, Geography and Urban Studies, Geology, Mathematics, Biology, Chemistry, and Physics can apply for Secondary Education Certification.

Students who apply must have:

• At least 30 credit hours completed.
• A minimum cumulative GPA of 3.0.
• Compliance with university standards for performance and conduct.

Temple Education Scholars

Each year, a small number of highly-talented incoming freshmen with an interest in teaching are provisionally admitted to the Five-Year Program at the same time they are accepted to the College of Liberal Arts. Applications are submitted concurrently with the undergraduate Temple Admissions Application.

Selection to Ed Scholars is based on a student’s high school record, SAT performance, letters of recommendation, required essay, and interview. Ed Scholars begin the graduate component of the program in the fall term of the junior year.

Temple Law Scholars Program

Paul Crowe, Director
7th floor Anderson Hall
215-204-8591
pcrowe@temple.edu

The Temple Law Scholars Program provides an opportunity for outstanding students to gain provisional admission to the Temple University Beasley School of Law at the same time they are accepted into the College of Liberal Arts. As Temple Law Scholars, students spend their undergraduate years in Temple’s Honors Program, after which they enroll in the
Beasley School of Law, leading to the JD degree. Scholars will take advantage of special opportunities, including internships, mock trial competitions, attendance at special events and lectures, and sitting in on law school classes.

The Temple Law Scholars Program is highly selective. To be considered, applicants must be accepted into the Honors Program. High class standing, high SAT scores, and superior letters of recommendation are expected, as is an articulate, thoughtful essay. In addition, other criteria used in the decision-making process include above average maturity, community service, leadership, and a genuine commitment to the legal profession and service to others.

Application to the Temple Law Scholars Program takes place at the same time students apply to the College of Liberal Arts. The application materials include the Temple undergraduate admission application, the Temple Law Scholars application, a letter of recommendation, and an essay on a topic assigned by the Temple Law Scholars admissions committee. An interview may also be required. The deadline for receipt of all application materials is April 1. Applications received before March 1 will receive priority treatment.

**Honor Societies and Awards for Achievement:**

**Awards**

During the graduation season in May, the Baccalaureate Awards Ceremony is held to honor seniors who have demonstrated outstanding academic performance and/or exceptional service to the College. Junior scholarship recipients are also recognized at this annual event. These prizes are awarded competitively and are a testament to the excellence of the College of Liberal Arts undergraduates.

**Phi Beta Kappa**

See [Supplemental Educational Opportunities>Academic Opportunities>Honor Societies](#).

**President’s Scholars**

See [Supplemental Educational Opportunities>Academic Opportunities>Honor Societies](#).

**Student Association Information:**

**Majors' Associations**

Some of the departments within the College of Liberal Arts support student interest groups known as Majors’ Associations. These organizations may provide opportunities for students from the individual disciplines of the liberal arts to meet one another and to extend the learning experience beyond the classroom. Some of these associations invite their alumni back to campus to connect with current undergraduates and talk with them about the wide range of career options open to liberal arts graduates.

Participation in the majors’ associations has significant benefits. Active involvement cultivates skills in leadership, team work, and public speaking, all of which are highly valued in the workplace.

**Special Facilities:**

**Educational Technology Center (ETC)**
Crystal Schulz, Manager
ETC Computer Lab
AL 21 Anderson Hall
215-204-3213

**General Labs**

The Educational Technology Center (ETC), located in Anderson Hall Room 21, provides computing and media resources to faculty and students throughout the University. A drop-in computer lab located in Anderson 21 assists students with course-related programs and computing needs.
**Instructional Labs**
The Center also boasts two instructional labs (AL 19 and AL 22), one production lab for Geographic Information Systems (GH 336), two labs for the social sciences (Gladfelter Hall 748 and Weiss 640), and two state-of-the-art foreign language labs (AC 103 and 104).

**Media Learning Center**
Frank Palazzo, Manager, Media Learning Center
AL 21 Anderson Hall
215-204-5439
The Media Learning Center, a service of the College of Liberal Arts, is located within the Educational Technology Center in Anderson Hall, Room AL 21. The MLC provides audio, video, 16mm, slide, and printed materials for faculty use in the classroom. The Center also provides facilities for students to view course related media.

**Hours of Operation:**

**General Labs**
Anderson Lecture Hall 21 (AL-21) 8:30 a.m. – 9:00 p.m. Monday – Thursday; 8:30 a.m. - 5:00 p.m. Friday

**Instructional Labs**
Anderson Lecture Hall 19 and 22 (AL-19, AL-22) 8:30 a.m. – 9:00 p.m. Monday – Thursday; 8:30 a.m. - 5:00 p.m. Friday*
Anderson Classrooms 103 and 104 8:30 a.m. - 7:30 p.m. Monday – Thursday; 8:30 a.m. – 5:00 p.m. Friday*
Gladfelter Hall 336 and 741: 8:30 a.m. - 8:45 p.m. Monday – Thursday; 8:30 a.m. – 5:00 p.m. Friday
Weiss Hall 640: 8:30 a.m. - 4:30 p.m. Monday - Friday

**Media Learning Center**
Anderson Lecture Hall 21 (AL-21) 8:30 a.m. – 9:00 p.m. Monday – Thursday; 8:30 a.m. - 5:00 p.m. Friday

There are no evening hours during summer sessions.

* Open for classroom use only. All software and data are also available in the Anderson Hall AL-21 drop-in computer lab. To schedule a class or event in these labs, please contact cla.scheduling@temple.edu

**Academic Advising**
College of Liberal Arts Academic Advising Center
1810 Liacouras Walk, Third Floor
215-204-7971
claaac@temple.edu
Visit the CLA Academic Advising Center website at www.temple.edu/cla/advising.

It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor will review the proposed coursework and inform students of the requirements for graduation. In addition, the advisor helps students achieve breadth in their curriculum and provides other needed assistance.

Academic advisors strive to avoid errors when advising students about program requirements; however, the college cannot assume liability for errors in advising. Students are responsible for knowing the requirements for their degree and for acquiring current information about their academic status.

**Academic Advising Center**
The Academic Advising Center in the College of Liberal Arts helps Liberal Arts students plan curricula, choose majors, make vocational and post-graduate plans, and resolve a variety of academic matters. Services are provided by a staff of full-time professional advisors and part-time faculty advisors. The Center informs students about the results of placement testing and assignment into corresponding courses. Monitoring of academic progress and graduation clearance is also the responsibility of the Advising Center. Through individual interviews and group workshops, the Center offers the following services:

- New Student Orientation for freshmen and first-semester transfer students
- Curriculum Advising for undeclared Liberal Arts students and declared majors in the Humanities and Social Sciences who have completed fewer than 30 credits. Students enrolled in the University Honors Program are advised in the Honors Office in Tuttleman Learning Center until they have completed 60 semester hours. All other students are advised in their major departments.

- Registration Assistance for students, including on-line processing of original registrations, schedule revisions, and course withdrawals according to University Policy. Note that no changes will be processed unless the student presents the request in person and waits for processing and a receipt of the transaction.

- Academic counseling provides an opportunity for students to develop a meaningful education plan compatible with life goals. Students can also meet with advisors to discuss a variety of academic concerns and develop some possible solutions. Students on academic probation or experiencing academic difficulty work with advisors to learn strategies for overcoming the obstacles to success.

- Pre-Professional Advising for students planning to enter law school. Pre-professional advising for the health professions is offered through the Academic Resource Center.

- Intra-University Transfer (IUT) Advising for students changing programs and moving to the College of Liberal Arts from other schools and colleges within Temple. During mandatory group advising sessions, students transferring to Liberal Arts learn about collegial degree requirements, policies, and procedures, and complete their IUT applications.

- Readmission interviews

- Mandatory Graduation Reviews for students who have completed 80 or more credits and are approximately two semesters away from graduation

- Special requests that require students to petition, including those to attend another university for a semester or summer course, be graded in one course on a credit/no credit basis, register for an overload, evaluate credit by examination, or receive approval for an exception to policy

**Departmental Advisors**

Students are advised by a departmental advisor within their major once they have accumulated at least 30 credits and have declared a major. Through contact with departmental faculty, students gain an in-depth appreciation of a specific discipline and discover opportunities associated with their field of interest.

**Student Grievance Procedures**

Title IX of the Educational Amendments Act of 1972 requires that each college or university establish due process for the resolution of academic grievances for the purpose of protecting students from prejudiced and capricious academic evaluation. All Undergraduate students enrolled in the College of Liberal Arts have a right to appeal grades which they deem unfair and unreasonable. The student must provide evidence indicating a mistake, fraud, or bad faith on the part of an instructor.

Examples of student grievance matters include (but are not limited to):

- Homework score is missing from final grade calculation
- Test score is miscalculated
- Failure of instructor to follow grading policy on syllabus

Students will not be allowed to grieve a grade unless it is accompanied by such evidence. A student must initiate the first stage of an academic grievance no later than thirty days after the beginning of the fall or spring semester immediately following the completion of the course in which the grievance occurred. Students should first contact their instructor to discuss the grade(s) in question, and if the matter cannot be resolved at that level, students are then urged to talk with the chairperson for the department in which this course was given. (Chairperson information is available in this publication.) Copies of the College of Liberal Arts Grievance Procedure can be obtained from the Dean’s Office, Anderson
Hall, 12th Floor. For more information, students should contact the College's Grievance Officer, Angela Scott, in 1228 Anderson Hall at angela.scott@temple.edu or 215-204-7792.

**Non Academic Grievances**

Students may have grievances that are not academic in nature. Such grievances should be directed to other offices on campus, including the Office of the Dean of Students, the Affirmative Action Office, Campus Housing, and other units on campus. Students unsure as to where to proceed with a non-academic grievance should consult either with the Office of the Dean of Students or the College’s Academic Advising Center.

**Continuing Student Registration**

Continuing student registration is the period during the fall and spring semesters when currently enrolled students should register. During the fall semester, freshmen meet with advisors in a group setting to discuss course selections for the upcoming spring semester. Freshmen and transfer students with fewer than 30 credits will be unable to register for their second semester unless they attend this mandatory group advising session. DARS for all students are available on the Web through OWLnet.

New transfer students and continuing students in good academic standing are encouraged to meet with their advisors before processing their schedules via OWLnet registration. Students ineligible to use on-line registration are required to register in the Academic Advising Center.

**Pre-Professional Advising:**

**Early Admission to Health Professions Graduate Programs**

Students in the College of Liberal Arts who have been admitted to graduate health-related professional schools at the end of their third year and have completed 90 semester hours of College of Liberal Arts or College of Science and Technology coursework, including the requirements of the College and their majors, with a cumulative GPA of at least 3.5 may petition the Dean for the transfer of their first year in professional study toward the completion of the requirements for the degree of Bachelor of Arts.

**Preparation for the Study of Law**

All law schools accept the degree of Bachelor of Arts as fulfillment of their requirements for admission. The Pre-Legal Education Committee of the Association of American Law Schools and the Temple University School of Law stress the importance of a well-rounded education. Since the legal profession makes extensive use of both the written and spoken English language as professional tools, the law student should have extensive preparation in English in undergraduate courses. Because a large part of a lawyer's work requires problem solving and sound judgment, students should take courses that help develop creative power in thinking. The study of law, furthermore, rests upon a broad knowledge of western civilization, including its political, economic, and social institutions; hence, the student preparing for law should schedule courses which afford this broad background. Some law schools also recommend two semesters of accounting. After selecting a field of concentration, the student schedules courses in consultation with both the advisor in the area of concentration and with the pre-law advisor in the Academic Advising Center of the College of Liberal Arts.

**Courses of Special Interest to Pre-Law Students**

While no specific undergraduate courses or majors are required for admission to accredited law schools, pre-law students are advised to select courses and programs of study that are intellectually challenging, while helping to develop necessary skills and knowledge.

Courses that are "law-related" because they either require reading of law cases or concern the study of particular legal issues are listed below for the convenience of interested students. Law school admissions officials prefer that pre-law students take very few such courses, believing that the teaching of law more appropriately belongs in the province of the law school. It may be useful, however, for students who are uncertain about attending law school to test their level of interest by selecting one or more of the following courses in the College of Liberal Arts:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>3033</td>
<td>Courtroom in American Society</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2501</td>
<td>Introduction to Criminal Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>3201</td>
<td>American Jury System</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>3502</td>
<td>Criminal Procedure: Prosecution and Adjudication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>2105</td>
<td>Race &amp; U.S. Constitution</td>
<td>3</td>
<td>RS</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
To develop the communications skills of reading and comprehension, expository writing, and speaking:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Sciences</td>
<td>1108</td>
<td>Introduction to Linguistics</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Adult &amp; Organizational Development</td>
<td>2214</td>
<td>Conflict and Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2796</td>
<td>Writing the Research Essay</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2496</td>
<td>Developing Prose Style</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2000+</td>
<td>Upper-level literature courses</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>2112</td>
<td>Persuasion</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

To develop analytical reasoning skills:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>1055</td>
<td>Critical Thinking</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1066</td>
<td>Logic</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>1101</td>
<td>Introduction to Philosophy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>2121</td>
<td>Introduction to Ethics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>2222</td>
<td>Argumentation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Computer Science and Mathematics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Since most law schools require applicants to submit the score earned on the Law School Aptitude Test, administered periodically by the Law School Admissions Service, students planning to study law should consult the pre-law advisor prior to the senior year to determine whether the school to which they plan to apply will require such a test and to determine the dates when such examinations are given. Prospective law students should consult the pre-law advisor about requirements for admission to law school, law school scholarship assistance, and opportunities in the legal profession. To satisfy statutory requirements, early in their senior year, prospective law students should consult the pre-law advisor concerning the legal requirements for practicing law in the state in which the student desires to study and practice.

**Phi Alpha Delta Law Fraternity, International**

Students interested in College of Liberal Arts pre-law studies are encouraged to join Phi Alpha Delta. Its pre-law program assists "undergraduate students to make an 'informed choice' in selecting law as a career, deciding which law school to attend, and in preparing for the rigors of law school."

Phi Alpha Delta was formed "to advance the ideals of liberty and equal justice under law; to stimulate excellence in scholarship; to inspire the virtues of compassion and courage; to foster integrity and professional competence; to promote the welfare of its members; and to encourage their moral, intellectual, and cultural advancement." For more information about Phi Alpha Delta and College of Liberal Arts pre-law society, please contact Dr. Paul Crowe, pre-law advisor, at 215-204-8591 or pcrowe@temple.edu.
Academic Policies and Regulations

University policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs.

Academic Residency Requirements
Students who transfer into the College of Liberal Arts must complete at least 30 semester hours of course work as a student registered through the College and at least half of the courses required in the major at Temple.

Course Eligibility
All College of Liberal Arts undergraduate courses are divided into two kinds:

- Lower-Level courses numbered 1000-1999: open to all students including non-matriculated students who are in the process of completing or who have completed appropriate course prerequisites.
- Upper-Level courses numbered 2000-4999: open to all matriculated students who have completed all appropriate course prerequisites.

Courses Taken Elsewhere by Liberal Arts Students
Matriculated Temple students must always petition for the prior approval of their Dean or Dean's designee to take courses at another institution. (See Permission to Take Courses at Another Institution under Academic Policies and Regulations.) Petitions are available in the College of Liberal Arts Academic Advising Center.

Dean's List
Each semester, undergraduate students who achieve a grade point average of 3.5 or above for the semester with 12 or more graded credits toward the degree and with no grade of Incomplete or "R" are selected for the Dean's List. Letters of congratulation are sent to each of these students.

Declaration of Major
Students in the College of Liberal Arts must declare their major before completing 60 credits, which includes credits transferred from other institutions. Undeclared students with 45 or more credits are required to meet with an advisor in the Academic Advising Center before registering. Students who wish to Intra-University Transfer (IUT) into the College of Liberal Arts from other colleges and schools at Temple must have at least a 2.0 cumulative GPA. Students will not be permitted to IUT as undeclared majors if they have completed, or are in the process of completing, 60 or more semester hours.

Graduation Procedures
Upon completion of 80 semester hours, all students are required to review with an advisor in the Academic Advising Center a summary sheet indicating the degree requirements that remain to be completed. Students can schedule this review in the Academic Advising Center. Students who miss or arrive late to this appointment will not be granted a second appointment and must make alternate arrangements to discuss their remaining requirements.

Graduating students are responsible for confirming their final semesters' registrations with an academic advisor prior to the start of that semester. Graduating students who in any way change their final semesters' registrations after previously confirming their registrations with an advisor are responsible for ensuring the changes will fulfill all degree requirements. Graduation is contingent upon completion of all Core, College, Major, and grade point average degree requirements.

Notice of Anticipation of Graduation
Early in the semester in which students will complete their degree requirements, they must apply for graduation by completing an application titled "Application for Graduation," available at the reception desk of the Advising Center or online (prospective graduates will be notified via Temple e-mail with instructions on applying online for graduation). Students are responsible for ensuring their intended graduation date is up-to-date. Forms to change intended graduation dates are available at the Advising Center.

Placement Tests
All incoming freshmen must take diagnostic English and mathematics placement tests. Transfer students who have not completed English 1002 or a college-level math course are also required to take placement examinations. The results of
these tests determine if students are required to enroll in introductory composition and mathematics courses. Students assigned to English 0701/0711 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0701/0711 can such students enroll in English 1002/1012. Students assigned to courses designed to remedy deficiencies in mathematics are required to complete those courses before enrolling in the mathematics component of the University Core. Incoming students must also take a foreign language placement examination if they plan to continue a language previously studied or if they wish to place out of the foreign language requirement.

**Plagiarism and Academic Cheating**

Plagiarism and academic cheating are unacceptable in College of Liberal Arts courses. The development of independent thought and a respect for the thoughts of others is essential to intellectual growth. The penalty for plagiarism or cheating as a first offense is normally an F in the course in which the offense is committed. In such cases, the instructor will write a report to the Dean. The CLA Grievance Committee will adjudicate appeals made by students and serious cases, or repeat offenses, referred to the Committee by an instructor or the Dean. The Dean may recommend suspension or expulsion from the University when warranted. Instructors may also refer the offense to the University Disciplinary Committee (UDC) for adjudication.

The prohibition against plagiarism and cheating is intended to foster this independence and respect. For more information, see Academic Honesty under Student Responsibilities.

**Academic Warning, Probation, Dismissal, and Reinstatement**

To remain in Academic Good Standing in the University, a matriculated or non-matriculated undergraduate student must achieve a semester Grade Point Average of at least a 2.0 for each semester.

The academic actions of Warning, Probation, Dismissal from Degree Candidacy, and Reinstatement to Degree Candidacy are guided by a number called the grade-point deficiency, which is standard across all schools and colleges. Grade-point deficiency points identify students who are achieving cumulative grade point averages below 2.0, establish the point at which students will be warned that they are in academic difficulty, define the limit at which students are dismissed from degree candidacy, and define their eligibility for reinstatement. See the University Policy on Academic Warning, Probation, Dismissal, and Reinstatement.

**Withdrawal from Classes**

During the first two weeks of the fall or spring semester, students may drop a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of the summer sessions, students may withdraw with the permission of the Academic Advising Center. Instructors' signatures are not required to withdraw. The course will be recorded on the transcript with the instructor's notation of "W," indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses.

Students may not withdraw from more than five courses during the duration of their studies to earn a bachelor's degree effective as of fall 2003, and students may not withdraw from the same course more than once.

For the complete drop/withdrawal policy, please refer to the Academic Policies section of this Bulletin.

**Requirements for the Baccalaureate Degree**

**Credit Hour Requirements**

The liberal arts baccalaureate degrees require a minimum of 123 credit hours, distributed according to University and College policy outlined below, with at least a 2.0 cumulative grade point average (GPA). A minimum 2.0 GPA must also be maintained in CLA/CST coursework and in the major.

To earn a CLA baccalaureate degree, a student must complete a minimum of 90 semester hours in CLA/CST courses, 45 semester hours of which must be at the upper level (numbered 2000-4999). Of that, 6 semester hours must be outside the student's major division (e.g. Social Sciences or Humanities).

A maximum of 12 semester hour credits of Independent Study can be applied to the Bachelor's degree.
Bachelor of Arts Requirements

The College of Liberal Arts does not award Bachelor of Arts Degrees to students who have already completed an accredited first Bachelor's, Master's, or Ph.D. degree, regardless of when the degree was completed.

Core

Bachelor of Arts candidates must complete the University Core requirements with the following difference: For the Core Language or International Studies requirement, the College of Liberal Arts requires candidates for the B.A. to complete one of the following options:

- Complete the third semester of a foreign language and one International Studies course or
- Complete the second semester of a foreign language and two International Studies courses.

Major

Students must also complete the requirements of a major. The minimum acceptable grade in a course taken to fulfill major requirements is a "C-", though students need a "C" GPA overall in minor coursework in order to graduate with the minor. Students are encouraged to declare their major by the end of the freshman year; forms for this purpose are available in the Academic Advising Center on the third floor at 1810 Liacouras Walk.

B.A. majors are offered in the divisions of the Humanities and the Social Sciences.

- **Humanities**: English, Foreign Languages, Greek and Roman Classics, Philosophy, Religion
- **Social Sciences**: African American Studies, American Culture and Media Arts, American Studies, Anthropology (includes tracks in Human Biology and Visual Anthropology), Asian Studies, Criminal Justice, Economics, Environmental Studies (BA or BS), Geography and Urban Studies, History, Jewish Studies, Latin American Studies, Mathematical Economics, Political Science, Psychology, Sociology (includes track in Sociology of Health), Women's Studies

Upper-level distribution requirements

B.A. students must complete upper-level distribution requirements by taking two upper-level (numbered 2000-4999) CLA courses outside the curriculum division of the major (or upper-level College of Science and Technology courses.) Students who have double majors in two different divisions automatically satisfy the distribution requirement.

Courses Inapplicable to Graduation

Semester hours earned in Military Science are excluded from the total minimum semester hours required for graduation.

For areas in which placement into a sequenced course is determined by test (such as English, Math, and Foreign Language): students will not receive academic credit towards graduation for courses taken below the level into which they placed after they have completed either that placement level or a higher-level course.

Credit/No Credit

During the junior and senior years, any College of Liberal Arts student who is in good standing and taking a minimum of 12 semester hours may elect to take one course each semester on a Credit/No Credit basis, except for courses that count toward major, minor, Core, or distributional requirements. Application must be made at the Academic Advising Center during the first two weeks of a fall or spring semester course and during the first three days of a first or second summer session course.

Special Major and Minor Requirements:

Interdisciplinary Major

Rather than major in an existing department or program, students may apply for a major in Interdisciplinary Studies. The proposed major should consist of coursework totaling at least 36 semester hours, and be justified in terms of some thematic unit of cohesive rationale. The program must not closely resemble any major currently available in the College of Liberal Arts.

The proposed major program may include courses outside of the College of Liberal Arts, but at least 24 semester hours must be in upper-level liberal arts or science courses. The student's proposal must be sponsored by two faculty members.
from different departments, at least one of whom must be in the College of Liberal Arts. Approval for the program must be obtained from the College of Liberal Arts Academic Advising Center prior to the initiation of the last 60 semester hours of the degree.

**Honors Interdisciplinary Major**

Students in the University Honors Program may apply for a College of Liberal Arts Honors Interdisciplinary Major. They must complete the degree requirements of the B.A. in the College of Liberal Arts and the requirements for the Interdisciplinary Major described above as well as the requirements for the University Honors Program. Approval for this program must also be obtained from the University Honors Committee prior to the initiation of the last 60 semester hours of the degree.

In addition, the proposed Major Program should include submission of an acceptable Honors Thesis to the University Honors Oversight Committee.

**Minor**

Students may also choose to complete the requirements for a minor. The minimum acceptable grade in a course taken to fulfill minor requirements is "C-", though students need a "C" GPA in the minor in order to have the minor awarded at graduation. At least half of the courses taken by a student to fulfill the minor must be taken at Temple. Forms for declaring a minor are available in the following programs:

- African American Studies
- American Studies
- Ancient Mediterranean Studies
- Anthropology
- Asian-American Studies
- Asian Studies
- Cognitive Neuroscience (see Psychology)
- Criminal Justice
- Critical Languages
- Economics
- Environmental Studies
- French
- Geography
- Urban Studies
- German
- Greek
- Latin American Studies
- Lesbian
- Gay
- Bisexual and Transgender (LGBT)
- Hebrew
- History
- Italian
- Japanese
- Jewish Studies
- Religion
- Russian
- Sociology
- Sociology of Health
- Spanish
- Visual Anthropology (see Anthropology)
- Women's Studies

**Certificates of Specialization**

Students may choose to complete the requirements for an additional Certificate of Specialization. At least half of the courses taken by a student to fulfill a certificate of specialization must be taken at Temple. Forms for declaring a certificate are available in the Academic Advising Center on the third floor at 1810 Liacouras Walk. Certificates of Specialization are available in the following programs:

- Asian Business and Society (see Asian Studies)
- Chinese
- French
- German
- Italian
- Japanese
- Russian
- Spanish (see departments)
- Geography of Sports
- Recreation and Tourism Planning (see Geography and Urban Studies)
- Geography of Tourism (see Geography and Urban Studies)
- Jewish Secular Studies (see Jewish Studies)
- Latin American Studies
- Management Career (see Economics)
- Multilingual Business and Government Studies (see Spanish)
- Neuroscience (see Psychology)
- Political Economy (see Political Science)
- Sociology Health Research (see Sociology)
- Women's Studies (see Women's Studies)
- Writing (see English)

**Student Contact Information**

Please refer to the individual programs of study for contact information. See also [www.temple.edu/directories.html](http://www.temple.edu/directories.html).

**Faculty**

Go to the College of Liberal Arts website at [http://www.temple.edu/cla/About/Departments/](http://www.temple.edu/cla/About/Departments/) and click on the individual department for a list of faculty in that department. See also [http://directory.temple.edu/search/](http://directory.temple.edu/search/).

### African American Studies

Dr. Nathaniel Norment, Chairperson
810 Gladfelter Hall
215-204-8491
The mission of the Department of African American Studies is to provide an intellectual arena in which students learn critically to examine, analyze, and interpret the experiences, traditions, and dynamics of peoples of African descent so as to be prepared to take roles of effective agency, participation, and leadership in the intellectual, research, and social activist domains of professional and community life. The Department’s guiding philosophy is African-centered in that we believe that mindful awareness of the social, cultural, and historical experiences of African peoples must inform and guide all viable research, analysis, interpretation, and action directed toward people of African descent.

The curriculum stresses the skills necessary to think critically, write clearly, argue persuasively, and problem solve effectively. Students are exposed to theory and research in a variety of subject areas and are encouraged to engage in active research and service beyond the classroom. Past AAS alumni have entered careers in primary and secondary education and administration, social work and administration, research design, law enforcement, city government, and have also worked with museums and other cultural and artistic institutions. Others have entered graduate studies in a variety of areas, including law, the health-related professions, public administration, and the social sciences.

The Department offers three internal awards for graduating seniors—two privately-sponsored awards for outstanding academic performance and one departmental award for outstanding service. The Department of African American Studies supervises the Temple in Ghana program, which allows students to study for six weeks during the summer at the University of Ghana in Accra.

### Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American Studies</td>
<td>1296</td>
<td>Introduction to African American Studies</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>African American Studies</td>
<td>1152</td>
<td>Introduction to African Aesthetics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2201</td>
<td>African Civilization</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2251</td>
<td>Mass Media in the Black Community</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2255¹</td>
<td>Introduction to Research Methods (offered during Fall semester only¹)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>4096¹</td>
<td>Senior Capstone Seminar (offered during Spring semester only)</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>African American Studies</td>
<td>Electives</td>
<td>Select four (4) additional courses, two of which must be above the 1000 level.²</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

**Total**  

| 30 |

* Indicates Writing Capstone.

**Note 1:** Students must take AAS 2255 Research Methods and 4096 Senior Capstone Seminar in sequence because students must complete in AAS 4096 the research that they will design in AAS 2255. Thus, complete AAS 2255 in the fall—the only term in which it is offered—and then immediately enroll in AAS 4096 for the spring term—the only semester in which it is offered. The Department does not accept other research courses as substitutes for AAS 2255.

**Note 2:** Make these selections based on the content areas in which you desire greater familiarity (e.g., AAS literature, AAS social issues, AAS psychology, etc.). Two of these four courses may be AAS-related courses outside the Department; however, students must seek written approval from the AAS Undergraduate Director prior to enrolling in outside courses that they want to apply toward the AAS major. Majors must earn a grade of B or higher in external courses that they wish to apply toward the AAS major.
Distinction in Major
African American Studies majors may graduate with a distinction in major if they have earned a GPA of 3.3.

Requirements for the Minor and Suggested Order of Completion

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American Studies</td>
<td>1296</td>
<td>Introduction to African American Studies</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>African American Studies</td>
<td>1152</td>
<td>Introduction to African Aesthetics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2201</td>
<td>African Civilization</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2251</td>
<td>Mass Media in the Black Community</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>African American Studies</td>
<td>2255</td>
<td>Introduction to Research Methods</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select two (2) additional courses, one of which must be above the 1000 level. 6

Make these selections based on the content areas in which you desire greater familiarity (e.g., AAS literature, AAS social issues, AAS psychology, etc.). One of these two upper-level courses may be an AAS-related course outside the Department; however, students must seek written approval from the AAS Undergraduate Director prior to enrolling in outside courses that they want to apply toward the AAS minor. Students must earn a grade of B or higher in external courses that they wish to apply toward the AAS minor.

The Department does not accept other research courses as substitutes for AAS 2255.

Total 21

American Studies

Bryant Simon, Director
946 Anderson Hall
215-204-1491
bryant.simon@temple.edu

941 Anderson Hall
215-204-1644
www.temple.edu/american_studies

American Studies is an interdisciplinary program that explores the rich complexity of American culture. Courses focus on such major issues as work, technology, and the role of the media and popular culture in American life; the culture of cities and suburbs; the role of law; the radical tradition; photography; film; and music. American Studies provides students with a solid understanding of the culture of the United States through interdisciplinary courses originating in the program as well as through recommended courses in other departments and disciplines. The program also offers student internships at a variety of cultural institutions in Philadelphia and the Delaware Valley. American Studies courses are known as challenging and thought-provoking, and many of them are cross-listed with the Temple University Honors Program. The major program stresses development of reading, writing, and analytical skills that are necessary for successful careers in various professional fields. American Studies majors go on to graduate school, law school, or medical school. They also may take jobs in museums, libraries, business, social services, public relations, and the media.

Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Biography and Work – Select one</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>1701</td>
<td>American Lives</td>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>1042</td>
<td>Work in America</td>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>1002</td>
<td>Key Documents in American Civilization</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

American Culture – Select one 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>2011</td>
<td>The Arts in America</td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>2022</td>
<td>Museums and American Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies 2012</td>
<td>Introduction to Material Culture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies 3011</td>
<td>Photography in America</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies 3012</td>
<td>Film and American Society</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies 3061</td>
<td>Mass Media and American Popular Culture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies 3013</td>
<td>The Documentary Mode</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Place in American Life – Select one** 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies 2051</td>
<td>American Places: Home, City, Region</td>
</tr>
<tr>
<td>American Studies 2021</td>
<td>Philadelphia Neighborhoods</td>
</tr>
<tr>
<td>American Studies 3022</td>
<td>The City: Urban Design, and American Culture</td>
</tr>
<tr>
<td>American Studies 3051</td>
<td>American Frontiers</td>
</tr>
<tr>
<td>American Studies 2001</td>
<td>Tourism in America</td>
</tr>
</tbody>
</table>

**Diversity in America – Select one** 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies 2071</td>
<td>Immigrant Experiences in America</td>
</tr>
<tr>
<td>American Studies 3071</td>
<td>African-American Experiences</td>
</tr>
<tr>
<td>American Studies 3096</td>
<td>American Woman: Visions and Revisions</td>
</tr>
<tr>
<td>American Studies 2107</td>
<td>Asian-American Experiences</td>
</tr>
<tr>
<td>American Studies 2003</td>
<td>The American Sexual Past</td>
</tr>
<tr>
<td>American Studies 2072</td>
<td>Puerto Ricans in Philadelphia</td>
</tr>
<tr>
<td>American Studies 2096</td>
<td>Asian Diaspora</td>
</tr>
<tr>
<td>American Studies 2097</td>
<td>Asian Women in Transition</td>
</tr>
<tr>
<td>American Studies 3074</td>
<td>Introduction to Asian American Literature</td>
</tr>
<tr>
<td>American Studies 3901</td>
<td>Quest for the American Dream</td>
</tr>
</tbody>
</table>

**Change in America – Select one** 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies 3041</td>
<td>Contemporary Trends in American Workplace</td>
</tr>
<tr>
<td>American Studies 2041</td>
<td>Technology and American Culture</td>
</tr>
<tr>
<td>American Studies 3901</td>
<td>Ideal America: Reform, Revolution, and Utopia</td>
</tr>
<tr>
<td>American Studies 3032</td>
<td>Literature and Political Change</td>
</tr>
<tr>
<td>American Studies 3033</td>
<td>Courtroom in American Society</td>
</tr>
<tr>
<td>American Studies 2064</td>
<td>America in the 1950s</td>
</tr>
<tr>
<td>American Studies 3031</td>
<td>Political Protest and Culture in the 60’s</td>
</tr>
<tr>
<td>American Studies 3075</td>
<td>Literature of American Slavery</td>
</tr>
<tr>
<td>American Studies 2031</td>
<td>Radicalism in the United States</td>
</tr>
<tr>
<td>American Studies 2032</td>
<td>Critical Moments in American Past</td>
</tr>
<tr>
<td>American Studies 2065</td>
<td>Global America</td>
</tr>
<tr>
<td>American Studies 2120</td>
<td>Topics in American Culture+</td>
</tr>
</tbody>
</table>

+Specific subjects change each semester. See course descriptions for information on a particular offering. American Studies 2120 may meet one or more of the above requirements with permission of director.

Students must also complete three additional courses in American Studies. These can include choices from the AS core courses as well as choices from all other American Studies courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>Electives (select from 2120-4098)                                           9</td>
</tr>
</tbody>
</table>

In addition, students take at least four courses outside of the major selected in consultation with the American Studies Director and Congruent with an American Studies focus. We recommend that at least 6 of these credits be in American history and literature.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>Electives - American Studies Focus                                           12</td>
</tr>
</tbody>
</table>

**Capstone course – Select one** 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies 4097</td>
<td>Senior Seminar in American Studies and Senior Independent Study</td>
</tr>
<tr>
<td>American Studies 4098</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 39

© 2007, Temple University. All rights reserved.
**We urge students to take the Senior Seminar in their final year of study (usually offered in Fall semester). Only in rare circumstances and with special permission can students satisfy the capstone by taking 4098.

**Distinction in Major**
American Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0

**Requirements for the Minor**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>Electives</td>
<td>Select six American Studies courses, at least three of which should be taken from different American Studies Core Areas as listed under &quot;Major Requirements.&quot;</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

**Asian American Studies Minor**

Dr. Kathleen Uno, Coordinator
215-204-7468
aaminor@temple.edu

This interdisciplinary minor focuses on Asian American history, culture, and contemporary issues as well as their Asian roots and American context. The Asian American Minor is six courses (18 s.h.), four in Asian American Studies, one in American Studies, and one Asian Studies course under an Asian Studies or cross listed number, as distributed below. In lieu of taking regular academic courses, students can earn credits through fieldwork and independent study under a professor's guidance. This minor is a useful credential for majors in education, journalism and communication, social administration, health science, social science, humanities, history, pre-law studies, and business fields such as personnel and marketing.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select four Asian American courses listed or cross listed in American Studies.</td>
<td></td>
<td></td>
<td>12</td>
<td>RS</td>
</tr>
<tr>
<td>American Studies</td>
<td>2107</td>
<td>Asian American Experiences</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>American Studies</td>
<td>1701</td>
<td>American Lives: Asian American Lives</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>American Studies</td>
<td>3074</td>
<td>Introduction to Asian American Literature</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>American Studies</td>
<td>2096</td>
<td>Asian Women in Transition</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>American Studies</td>
<td>2097</td>
<td>Asian American History</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>American Studies</td>
<td>3070</td>
<td>Asian American Topics *</td>
<td></td>
<td>WI</td>
</tr>
</tbody>
</table>

*Courses may focus on specific issues like Filipinos in America, Vietnamese and Filipinos in Diaspora, Chinatowns, Law and Public Policy.

<table>
<thead>
<tr>
<th>Select one American Studies course on race or ethnicity (or an alternative approved by an advisor).</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>2071</td>
</tr>
<tr>
<td>American Studies</td>
<td>2072</td>
</tr>
<tr>
<td>American Studies</td>
<td>3071</td>
</tr>
<tr>
<td>Italian</td>
<td>4161</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one Asian Studies course under an Asian Studies or cross-listed number. Advisors can help choose from a list of over sixty courses.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>2071</td>
</tr>
<tr>
<td>American Studies</td>
<td>2072</td>
</tr>
<tr>
<td>American Studies</td>
<td>3071</td>
</tr>
<tr>
<td>Italian</td>
<td>4161</td>
</tr>
</tbody>
</table>

| Total                                                                 | 18 |
Anthropology is the study of human origins, development, and diversity. Anthropologists explore the ways in which people understand and adapt to living in a variety of settings, ranging from urban environments to rural villages, all over the world and across time. Anthropologists are interested in investigating such questions as: What does it mean to be human? What are the historical, social, political, economic, and environmental pressures that have helped shape the experiences of particular groups of people? How do human beings interact with the physical environment? Does the language that one speaks affect the ways in which one thinks and experiences the world? Anthropology includes four broad sub-fields, all of which are well represented at Temple University: Cultural Anthropology, Archaeology, Biological Anthropology, and Linguistic Anthropology.

Undergraduate majors in Anthropology pursue one of three courses of study: General Anthropology, the Human Biology Track, or the Visual Anthropology track. Laboratory facilities, internships, fieldwork, and experiential learning courses provide students with practical experiences in all of Anthropology's sub-fields. A minor can be taken in General Anthropology or in Visual Anthropology.

General Anthropology

The general anthropology major is intended to give students a foundation in all of the four sub-fields associated with the discipline of anthropology. Each of the sub-fields requires the development of a number of skills, including formulating hypotheses; developing research programs and proposals; applying theories to the interpretation of data, including artifacts; and gathering ethnographic information through participant-observation. There is sufficient flexibility in the requirements for the general anthropology major so that a student can focus their coursework, if desired, on any one of the four sub-fields.

With its focus on human diversity and its emphasis on cultural relativism, the general anthropology major well prepares students for the issues they are likely to encounter in today's workplaces. At Temple we offer a number of courses on such topics as the Anthropology of Policy, Medical Anthropology, and Urban Anthropology, which prepare students for careers in public administration, social work, health policy, urban planning, and other aspects of public policy-related work, in addition to professional careers in fields such as business, law and medicine. Anthropology students are also well-prepared to participate in activities which call for cultural sensitivity and an understanding of cultural differences, such as the teaching of English as a foreign language and other work with immigrant communities or work in the global marketplace. A variety of courses on archaeology prepare students for careers in the field of cultural resources management and historic preservation.

Interested students can contact the faculty advisor for additional information. A brochure describing the General Anthropology major can be obtained in the department.

Requirements for the Major - General Anthropology

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory – Select one:</td>
<td>Anthropology</td>
<td>1062</td>
<td>Introduction to Anthropology</td>
<td>3</td>
<td>IN/RS</td>
</tr>
<tr>
<td></td>
<td>Anthropology</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td></td>
<td>Anthropology</td>
<td>1064</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td></td>
<td>Anthropology</td>
<td>1065</td>
<td>Origins of Cultural Diversity</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Fundamentals</td>
<td>Anthropology</td>
<td>2396</td>
<td>Fundamentals of Cultural Anthropology</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>
Anthropology 2104 Fundamentals of Archaeology 3
Anthropology 2705 Fundamentals of Biological Anthropology 4
Anthropology 2507 Fundamentals of Linguistic Anthropology 3

Subtotal 13

Methods – Select one:* 3-4
Anthropology 3175 Heritage Management in Archaeology
Anthropology 3510 Theory and Methods in Linguistics
Anthropology 4496 Research in Visual Anthropology WI
Anthropology 3389 Fieldwork in Ethnography
Anthropology 3189 Field Session in Archaeology
Anthropology 3170 Methods in Archaeology (variable topic course: Sediments, soils and geomorphology; lithic analysis; ceramic analysis; field methods)
Anthropology 3770 Methods in Physical Anthropology (variable topic course)
Anthropology 4444 Anthropological Problems in Visual Production
Anthropology 4396 History of Anthropological Theory (Capstone) 3 WI

Anthropology 2000-4999 Electives – Select five (5): 15
Choose from courses at the 2000 level and above that have not been used to satisfy other requirements for the major

Subtotal 21-22

Total 37-38

*Additional methods courses can be taken as electives; 3170 and 3770 can be taken multiple times as they are topical courses.

Distinction in Major

Anthropology majors may graduate with distinction in the major if they have earned a GPA of 3.5 or higher.

Requirements for the Minor – General Anthropology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory – Select one:</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1062</td>
<td>Introduction to Anthropology</td>
<td>IN/RS</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>IS</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1064</td>
<td>American Culture</td>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1065</td>
<td>Origins of Cultural Diversity</td>
<td>IS</td>
<td></td>
</tr>
</tbody>
</table>

| Fundamentals – Select two: | | | 6-7 | |
| Anthropology | 2396 | Fundamentals of Cultural Anthropology | WI |
| Anthropology | 2104 | Fundamentals of Archaeology | |
| Anthropology | 2705 | Fundamentals of Biological Anthropology | |
| Anthropology | 2507 | Fundamentals of Linguistic Anthropology | |

| Electives – Select three: | | | 9 | |
| Anthropology | 2000-4999 | Chosen from remaining courses at the 2000 level and above | |

Total 18-19
Human Biology Track

The Human Biology Track in Anthropology prepares students for careers in medicine, dentistry, physical therapy, optometry, podiatry, and other allied health fields. Human Biology students major in Anthropology but take departmental courses primarily in biological anthropology. These courses deal in human genetics, human paleontology, human physiology, and human reproductive biology and behavior. They stress an evolutionary perspective on humans and integrate molecular, whole-organism, population, and species-level data on humans. The Human Biology Track also includes required courses in biology, cultural anthropology, human anatomy, and physiology. This program also encourages students to take health/biology-related courses in psychology, sociology, history, political science, and the humanities to fulfill admission requirements to professional schools in the health sciences. As a result, our students have the broad, liberal arts background that many health science professional schools find attractive.

Interested students should contact the pre-med advisor at 1810 Liacouras Walk, 1st Floor, or the Human Biology Track advisor, Dr. Leonard Greenfield, at 215-204-1489 or green@temple.edu. A brochure describing the Human Biology Track can be obtained in the Anthropology Department, room 209, Gladfelter Hall.

Requirements for the Major - Human Biology

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
|                  | Anthropology | 2705     | Fundamentals of Biological Anthropology  
(Note: 2705 is the prerequisite for all courses in Biological Anthropology.) | 4     |     |
|                  | Anthropology | 2396     | Fundamentals of Cultural Anthropology | 3     | WI  |

Select one of the following **Biology sequences; you cannot mix sequences:**  
8

|                     | Biology | 1011/1012 | General Biology I and II  
|                     |         | 1111/2112 | Introduction to Biology |
|                     | Biology | 1223/1224 | Human Anatomy and Physiology I and II  
|                     |         | 2233/3334 | Mammalian Anatomy and Physiology |

Select one of the following **Anatomy and Physiology sequences; you cannot mix sequences**  
8

|                     | Kinesiology | 1223/1224 | Human Anatomy and Physiology I and II  
|                     | Biology     | 2233/3334 | Mammalian Anatomy and Physiology |

Select two:  
6

|                     | Anthropology | 2761     | Human Paleontology |
|                     | Anthropology | 2762     | Human Biology of Modern Human Populations |
|                     | Anthropology | 2763     | Human Population Genetics |
|                     | Anthropology | 2764     | Primate Behavior |

Select one of the following **Advanced courses:**  
3

|                     | Anthropology | 3332     | Medical Anthropology |
|                     | Anthropology | 3741     | Environmental Biology |
|                     | Anthropology | 3744     | Human Evolutionary Genetics |
|                     | Anthropology | 3745     | Human Osteology |
|                     | Anthropology | 3748     | Primate Evolution and Adaptation |
|                     | Anthropology | 3770     | Methods in Physical Anthropology* |

Select one of these **Capstone courses:**  
3

|                     | Anthropology | 4397     | Advanced Seminar in Medical Anthropology |
|                     | Anthropology | 4775     | Environmental Physiology |
|                     | Anthropology | 4796     | Biocultural Adaptations in Human Populations |
|                     | Anthropology | 4797     | Evolutionary Perspectives on Human Reproduction |
|                     | Anthropology | 4798     | Seminar in Evolutionary Biology |

Electives – Select two**:  
6

|                     | Anthropology | 3332     | Medical Anthropology |

© 2007, Temple University. All rights reserved.
Visual Anthropology Track
This track emphasizes a well-rounded liberal arts background and a comprehensive understanding of the world's varied systems of visual representation. The Visual Anthropology curriculum allows students to combine cultural anthropology with the study and practice of visual communication. Courses in the Visual Anthropology Track combine topics and methods familiar to the social sciences, humanities, and media arts. It is well suited to those students interested in popular culture as well as the fine arts; documentary and ethnographic film as well as feature film; all forms of artistic performance, including the folk arts, fine arts, popular arts, and media arts; televisual communication, including both broadcast and narrowcast forms; and home media and alternative media. Additional attention is now dedicated to relationships of globalization and New Media.

In the Visual Anthropology curriculum, literary traditions and criticism find a place alongside pictorial traditions and media criticism. Students may do original research that involves still photography and/or video production. Students apply field methods familiar to cultural anthropology to achieve a better understanding of the processes and products of visual communication. Laboratories are available for both still photography and video production. There are ongoing field programs in North America, Japan, and India. The summer program in India is intended to investigate Indian civilization through an anthropological and historical approach of its religions and artistic traditions, both ancient and contemporary. For more details on the summer program in India, go to the Temple University in India website at http://isc.temple.edu/jjhala/templeindia/.

Interested students should contact the Visual Anthropology Advisor, Jayasinhji Jhala, at 215-204-7727 or jjhala@temple.edu. A brochure describing the Visual Anthropology Track can be obtained in the Anthropology Department, room 209, Gladfelter Hall.

Requirements for the Major - Visual Anthropology

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>2408</td>
<td>Fundamentals of Visual Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2396</td>
<td>Fundamentals of Cultural Anthropology</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Anthropology</td>
<td>2507</td>
<td>Fundamentals of Linguistic Anthropology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>4444</td>
<td>Anthropological Problems in Visual Production</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>
Select one:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>2104</td>
<td>Fundamentals of Archaeology</td>
</tr>
<tr>
<td>Anthropology</td>
<td>2705</td>
<td>Fundamentals of Biological Anthropology</td>
</tr>
</tbody>
</table>

Capstone:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>4496</td>
<td>Research in Visual Anthropology</td>
</tr>
</tbody>
</table>

Electives – Select six:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>3324</td>
<td>Art and Anthropology</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3433</td>
<td>Anthropological Film</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3434</td>
<td>Anthropology of Feature Film</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3439</td>
<td>Anthropology and Photography</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3438</td>
<td>Anthropology of Mass Media</td>
</tr>
</tbody>
</table>

Subtotal: 24-25
Total: 36-37

**Distinction in Major**

Anthropology majors may graduate with distinction in the major if they have earned a GPA of 3.5 or higher.

**Requirements for the Minor – Visual Anthropology**

**Required Courses**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamentals – All of the following:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2396</td>
<td>Fundamentals of Cultural Anthropology</td>
<td>9</td>
<td>WI</td>
</tr>
<tr>
<td>Anthropology</td>
<td>2507</td>
<td>Fundamentals of Linguistic Anthropology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2408</td>
<td>Fundamentals of Culture and Visual Comm.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Methods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>4444</td>
<td>Anthropological Problems in Visual P.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Electives – Select two:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3324</td>
<td>Art and Anthropology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3433</td>
<td>Anthropological Film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3434</td>
<td>Anthropology of Feature Film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3439</td>
<td>Anthropology and Photography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3438</td>
<td>Anthropology of Mass Media</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total: 18

Asian Studies

Sydney White, Program Director
221 Gladfelter Hall
215-204-7774
sydneyw@temple.edu

Kathleen Uno, Faculty Advisor
861 Gladfelter Hall
215-204-7468

© 2007, Temple University. All rights reserved.
Asian Studies draws on the resources of many departments to provide a comprehensive program of study on Asia (especially East Asia). Majors may concentrate on a geographic area, field, or theme(s). By combining language with the study of politics, history, society, art, religion and philosophy, and literature, each student can construct a major tailored to individual interests.

Temple's campus in Japan can provide students experience abroad while taking their course work. The East West Club offers lectures, films, and career development programs, as well as fun and fellowship through extracurricular activities.

The curriculum gives students a foundation for living or working in Asia, or continuing their studies through developing a knowledge base, cross-cultural sensitivity, analytic thinking, and communication and writing skills in English and an Asian language. After graduation, students find employment in private firms, nonprofit organizations, or educational institutions. Some enter graduate programs in law, business, or academic fields, including Asian Studies.

### Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select two foundations courses</strong> from the list below. May incorporate the study of South or Southeast Asia, Asian Studies 1051, Asian Studies 1052, if approved by the Asian Studies advisor.</td>
<td></td>
<td></td>
<td>6</td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>1801</td>
<td>Chinese &amp; Japanese Literature in Cultural Context</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2074</td>
<td>Geography of East and South Asia</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2501</td>
<td>Introduction to East Asia: China</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2502</td>
<td>Introduction to East Asia: Japan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Hindi                      | 2002     | Hindi Intermediate II                            | 3     |     |
| Chinese                    | 2002     | Chinese Intermediate II                           |       |     |
| Japanese                   | 2002     | Japanese Intermediate II                          |       |     |
| Korean                     | 2002     | Korean Intermediate II                            |       |     |

| Asian Studies              | Electives| Seven electives from **three different subject areas**. | 21    |     |

| Asian Studies              | 4096     | Seminar in Asian Studies                          | 3     | WI  |

**Total** | **30-44**

*The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.*

### Distinction in Asian Studies Major

Asian Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0.

### Requirements for the Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select two foundations courses</strong> from the list below. May incorporate the study of South or Southeast Asia, Asian Studies 1051, Asian Studies 1052, if approved by the Asian Studies advisor.</td>
<td></td>
<td></td>
<td>6</td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>1801</td>
<td>Chinese &amp; Japanese Literature in Cultural Context</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2074</td>
<td>Geography of East and South Asia</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2501</td>
<td>Introduction to East Asia: China</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2502</td>
<td>Introduction to East Asia: Japan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Asian Studies Electives

Four electives from three different subject areas.  

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hindi</td>
<td>1002</td>
<td>Hindi Elements II</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>1002</td>
<td>Chinese Elements II</td>
<td></td>
</tr>
<tr>
<td>Japanese</td>
<td>1002</td>
<td>Japanese Elements II</td>
<td></td>
</tr>
<tr>
<td>Korean</td>
<td>1002</td>
<td>Korean Elements II</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 18-26

*The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.*

### Asian Business and Society Certificate

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian Studies</td>
<td>2001</td>
<td>Practical Asian Society</td>
<td>3</td>
</tr>
<tr>
<td>IBA</td>
<td>2501</td>
<td>Fundamentals of Asian Business</td>
<td>3</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2511</td>
<td>Introduction to Asian Business</td>
<td></td>
</tr>
</tbody>
</table>

(***IBA 2501 and Asian Studies 2511 are cross-listed***)

Select one economics course:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3563</td>
<td>International Trade</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3564</td>
<td>International Financial Economics</td>
<td></td>
</tr>
<tr>
<td>GSM</td>
<td>3566</td>
<td>Global Strategic Management</td>
<td></td>
</tr>
</tbody>
</table>

Asian Studies Country Elective (See Academic Advising Center for list of approved electives.)  

Asian Studies Writing Intensive Elective (See Academic Advising Center for list of approved courses.)

<table>
<thead>
<tr>
<th>Completion of the second semester of a language below*:</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hindi</td>
<td>1002</td>
</tr>
<tr>
<td>Chinese</td>
<td>1002</td>
</tr>
<tr>
<td>Japanese</td>
<td>1002</td>
</tr>
<tr>
<td>Korean</td>
<td>1002</td>
</tr>
</tbody>
</table>

**Total** 15-23

* The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.

** The country of the Asian Studies Country Elective and the Asian Studies Writing Intensive Elective must match the country of the language studied. For example, if the language requirement is met with Chinese, then courses on China must be chosen for both the Country and Writing Intensive Electives.

### Asian American Studies - Minor

For more information on the Asian American Studies Minor, please see the American Studies page.

---

**Criminal Justice**

© 2007, Temple University. All rights reserved.
The mission of the undergraduate program in Criminal Justice is to foster a comprehensive understanding of the nature of crime, criminals, and criminal law; the goals, organizations, occupations, and rules that make up the criminal justice system; and the methods of learning that are utilized by scholars of crime and criminal justice. The Bachelor of Arts program enables students to learn how different academic disciplines approach the study of crime and criminal justice and to understand the kinds of questions and problems that shape developments in research, practice, and reform.

**Requirements for the Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>1001</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2401</td>
<td>Nature of Crime</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2696</td>
<td>Planned Change in Criminal Justice</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2501</td>
<td>Introduction to Criminal Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2601</td>
<td>Introduction to Criminal Justice Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>2602</td>
<td>Criminal Justice Research and Analysis</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>electives</td>
<td>Eight Upper-Level Criminal Justice Electives (1000 level or higher)</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

**Total credits required for the major in Criminal Justice**

42

*Indicates Writing Capstone for the major.

The Department of Criminal Justice offers internship experience (CJ 4077 and CJ 4087). These courses are optional with CJ 4077 credits counting toward the major and the CJ 4087 credits (3 credits for 10 hours/week, 6 credits for 20 hours/week, or 9 credits for 30 hours/week) counting as free electives.

**Distinction in Major**

Criminal Justice majors may graduate with distinction in the major if they have earned a GPA of 3.5 in the major and a cumulative GPA of at least 3.25.
### Critical Languages Center

Barbara Thornbury, Chair  
332 Anderson Hall  
215-204-4492  
Barbara.Thornbury@temple.edu  
332 Anderson Hall  
215-204-8268  
www.temple.edu/critlang

Critical Languages offers courses in Arabic, Chinese, Hebrew, Hindi, Japanese, Korean, Modern Greek, and Vietnamese. Students enroll in these courses for a variety of reasons, which include career goals, personal interest, preparation for study abroad, and the desire to fulfill certain university and college program requirements.

In addition, Critical Languages offers courses taught in English.

For East Asia, Critical Languages courses in Chinese and Japanese literature and in Japanese film and popular culture—all given in translation—invite students from any major to develop familiarity with Chinese and Japanese culture.

For the Middle East, Critical Languages offers courses in Israeli literature as well as Hebrew literature from the Diaspora. Thematically, these courses explore contemporary Israel and its relations to its region and the world as well as the Jewish historical experience and the cultural heritage. These courses invite students from any major to develop familiarity with Hebrew literature and its culture.

Within Critical Languages, students can earn a Major in Hebrew, a Minor in Hebrew, a Minor in Japanese, a Certificate of Specialization in Arabic, a Certificate of Specialization in Chinese, and a Certificate of Specialization in Japanese. Critical Languages courses also count toward many of the requirements and electives of the Asian Studies major and minor. Students are encouraged to study Japanese language and culture at Temple University in Japan. Contact the Office of International Programs for more information.

### Certificate of Specialization in Arabic

A Certificate of Specialization in Arabic focuses on learning language skills and developing a strong foundation for the effective use of Arabic socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program has two tracks: one for undergraduate students who enter Temple University with little or no previous background in Arabic; and one for students who enter Temple University with a previous background in Arabic. The curriculum consists of six developmentally-sequenced semesters of instruction in Arabic. Students with no background in Arabic will begin the six-course sequence with Arabic 1001. Students who enter the program with a placement above Arabic 1001 will need to complete the six-course requirement by taking either or both Arabic 4183 and 4283. A grade of C- or higher must be earned in all required courses to qualify for the certificate.
Certificate of Specialization in Chinese

A certificate of specialization in Chinese focuses on learning language skills and developing a strong foundation for the effective use of Chinese socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program also contributes to meeting the diverse language needs of students with personal or academic interests in China and its culture. A grade of C- or higher must be earned in all required courses.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese</td>
<td>1001</td>
<td>Elements I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Chinese</td>
<td>1002</td>
<td>Elements II</td>
<td>4</td>
<td>LC</td>
</tr>
<tr>
<td>Chinese</td>
<td>2001</td>
<td>Intermediate I</td>
<td>3</td>
<td>LC</td>
</tr>
<tr>
<td>Chinese</td>
<td>2002</td>
<td>Intermediate II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>3001</td>
<td>Advanced I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>3002</td>
<td>Advanced II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Hebrew Division
Ayala Guy, Advisor
215-204-8274
ayala.guy@temple.edu

Requirements for the Major - Hebrew

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hebrew</td>
<td>1001</td>
<td>Elements I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Hebrew</td>
<td>1002</td>
<td>Elements II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Hebrew</td>
<td>2001</td>
<td>Intermediate I</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Hebrew</td>
<td>2002</td>
<td>Intermediate II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hebrew</td>
<td>3098</td>
<td>Readings I</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Hebrew</td>
<td>Electives</td>
<td>Five Hebrew courses at the 3000/4000 level</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Hebrew</td>
<td>Elective</td>
<td>One Bible course at the 4000 level</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

Year Abroad

Students declaring concentration in the Division of Hebrew are encouraged to spend one year in one of the universities of Israel.

Requirements for the Minor - Hebrew

Select two introductory courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hebrew</td>
<td>1001 &amp; 1002</td>
<td>Elements I &amp; II</td>
<td>6-8</td>
<td>LA</td>
</tr>
<tr>
<td>Hebrew</td>
<td>2001 &amp; 2002</td>
<td>Intermediate I &amp; II</td>
<td></td>
<td>LB</td>
</tr>
</tbody>
</table>
Advanced students will take two electives instead of the above courses.

Two courses from the following: 6

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>G+R CL</td>
<td>1068</td>
<td>Israel in the Middle East</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>G+R CL</td>
<td>3797</td>
<td>Literature &amp; Art of the Holocaust</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Hebrew</td>
<td>Electives</td>
<td>Any two Hebrew courses above 2000 level</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>18-20</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Minor in Japanese**

The Minor in Japanese emphasizes language study while also recognizing the importance of learning about Japan through work in fields such as literature, history, anthropology, religion, and geography and urban studies. A grade of C- or higher must be earned in all courses for the minor.

Students who place out of 2002 will need one additional elective; those who place out of 3001 will need two additional electives; those who place out of 3002 will need three additional electives.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese</td>
<td>2002</td>
<td>Japanese Intermediate II</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3001</td>
<td>Japanese Advanced I</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3002</td>
<td>Japanese Advanced II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following listing: 3

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese</td>
<td>2096</td>
<td>Japanese Popular Culture and Literature</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>2098</td>
<td>Japanese Popular Culture and Literature</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Japanese/Asian Studies</td>
<td>2021</td>
<td>Japanese Literature in Film</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select any two courses that focus exclusively on Japan 6

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese</td>
<td>1001</td>
<td>Japanese Elements I</td>
<td>4</td>
</tr>
<tr>
<td>Japanese</td>
<td>1002</td>
<td>Japanese Elements II</td>
<td>4</td>
</tr>
<tr>
<td>Japanese</td>
<td>2001</td>
<td>Japanese Intermediate I</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>2002</td>
<td>Japanese Intermediate II</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3001</td>
<td>Japanese Advanced I</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3002</td>
<td>Japanese Advanced II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Certificate of Specialization in Japanese**

A Certificate of Specialization in Japanese focuses on learning language skills and developing a strong foundation for the effective use of Japanese socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program also contributes to meeting the diverse language needs of students with personal or academic interests in Japan and its culture. A grade of C- or higher must be earned in all required courses.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese</td>
<td>1001</td>
<td>Japanese Elements I</td>
<td>4</td>
</tr>
<tr>
<td>Japanese</td>
<td>1002</td>
<td>Japanese Elements II</td>
<td>4</td>
</tr>
<tr>
<td>Japanese</td>
<td>2001</td>
<td>Japanese Intermediate I</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>2002</td>
<td>Japanese Intermediate II</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3001</td>
<td>Japanese Advanced I</td>
<td>3</td>
</tr>
<tr>
<td>Japanese</td>
<td>3002</td>
<td>Japanese Advanced II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 20
The major in economics exposes a student to the economist's way of thinking about social problems and behavior. The major helps a student understand the economic aspect of current events and public policy and is good preparation for careers in law and business. The student honorary fraternity is Omicron Delta Epsilon. Along with the more general student organization, The Economics Society, it provides opportunities for students to network with other students and with practicing economists in learning more about economics and finding internships and employment opportunities. There is also a Cooperative Education option. Through this program, students may earn income while gaining valuable work experience which can enhance their job market prospects upon graduation. By completing an academic research project under the guidance of a faculty member, Co-op students may earn credit for Economics 3581.

### B.A. Major Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles/Honors Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles/Honors Microeconomics Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Statistical Methods and Concepts</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2102</td>
<td>Selected Statistical Topics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3501</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3502</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3598</td>
<td>Economics Writing Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Economics</td>
<td>3000+</td>
<td>Four electives in economics at the 3000 level or above. Finance 3011 may be substituted for one of these.</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Two additional electives

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000+</td>
<td>Courses in economics at the 3000+ level or courses in the College of Liberal Arts at the 2000+ level related to the student's program in economics.*</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total** 39

* These are to be chosen in consultation with an advisor. Students preparing for graduate study in economics or in an economics-related area are strongly encouraged to take Economics 3504 (Mathematical Economics), Economics 3503 (Introduction to Econometrics), and courses in calculus and linear algebra in the Mathematics Department.

### Minor Requirements

(For Liberal Arts and all other colleges allowing a minor in Economics)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles/Honors Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles/Honors Microeconomics Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>3501</td>
<td>Intermediate Microeconomic Analysis or Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3000+</td>
<td>Three electives in economics at the 3000 level or above. If both 3501 and 3502 are taken, one counts as one of these electives.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 18

### Mathematical Economics

In cooperation with the Department of Mathematics, the Department of Economics offers a special concentration leading to a B.A. degree in Mathematical Economics. The program and its requirements are described in full in the [Intercollegial Programs](#) section of this *Bulletin*.

© 2007, Temple University. All rights reserved.
Certificate in Political Economy

The Certificate of Specialization in Political Economy is a joint program of the Departments of Economics and Political Science. The purpose of the political economy program is to provide undergraduate students with the opportunity to study more intensely the relationship between the political and economic spheres of society. The program is based on the belief that a focused examination of this relationship provides better understanding of several social phenomena. Chief among these is a better understanding of public policy choices and the policymaking process, as well as a better understanding of how government actions affect the process of economic change and vice versa. The Political Economy program is open to all matriculated undergraduate students. Applicants need not be declared majors in either economics or political science. The political economy program provides an excellent preparation for graduate study in the social sciences and for the study of law. The program and its requirements are described in full in the Intercollegial Programs section of this Bulletin.

Management Career Certificate

Erwin Blackstone, Advisor
215-204-5027
erwin.blackstone@temple.edu

William Holmes, Advisor
215-204-8175
william.holmes@temple.edu

This certificate program is designed for students who intend to seek employment in the business or nonprofit sectors of the economy. It is designed to provide students with skills that complement those acquired through a traditional liberal arts education and to make the students more appealing to potential employers.

Requirements for the Management Career Certificate

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>1001</td>
<td>Introduction to the Economy</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td></td>
<td>1102</td>
<td><em>Microeconomic Principles/Honors Micro. Principles</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>1101</td>
<td>Organization and Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2402</td>
<td>Industrial and Organizational Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td></td>
<td>One course selected in consultation with the certificate advisor.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Approved Elective - Select one:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2102</td>
<td>Principles of Accounting**</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td></td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>3536</td>
<td>Economics of American Industry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3541</td>
<td>Economics of Sports</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>2501</td>
<td>Introduction to Human Resource Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer and Information Sciences</td>
<td>1056</td>
<td>Computers and Applications</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>Geography and Urban Studies</td>
<td>2031</td>
<td>Economic Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>3155</td>
<td>Business and Public Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>2321</td>
<td>Politics of the Global Economy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2402</td>
<td>Industrial and Organizational Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3596</td>
<td>Sociology of Organizations</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>18-19</strong></td>
<td></td>
</tr>
</tbody>
</table>

* Students may not double count either Marketing 2101 or Psychology 2402 within this certificate program.
** An alternative elective or an internship or practicum may be approved to substitute for the elective. Please see the certificate advisor prior to registration for written approval.

---

**English**

Shannon Miller, Department Chair  
1042 Anderson Hall  
215-204-7560  
smiller@temple.edu

Gabriel Wettach, Director of Undergraduate Studies  
1030 Anderson Hall  
215-204–7561  
gwettach@temple.edu

10th Floor, Anderson Hall  
215-204-7561  
www.temple.edu/english/

The English major helps students develop as readers of interesting, complex texts, including literary texts. Majors read writing from a variety of historical contexts and cultures; this experience builds their understanding of the relation between society and language. English majors become critical and reflective readers, aware of the history and development of writing in English. They are also good, inventive writers, able to analyze problems, to do careful and inventive research, to argue and to evaluate the arguments of others.

The English major is good preparation for a career in writing or editing—of stories, speeches, legal documents, advertising, research projects, poems, grant proposals, essays, or letters. English majors also find careers in publishing and journalism, public relations, business, industry, management, marketing, social services, and government. English is a strong pre-professional major for law, medicine, library science, and teaching.

The English department has a distinguished faculty of nationally-known critics, writers, and scholars who will teach you, usually in small classes. You will choose from a range of exciting courses (about forty English courses each semester) and from interdisciplinary programs such as the Five-year Program in English and Education, Temple's special minor in Business, or a double major in English and any other department throughout the University. Internships are offered with area institutions such as the Temple Press, the University of Pennsylvania Press, the Urban League, WHYY public radio, Philadelphia Magazine, United Way, the Red Cross, Bread and Roses, J. B. Lippincott Publishers, First Union Bank, and the Academy of Natural Sciences. The department offers community-based projects, such as the New City Press and our Institute for the Study of Literature, Literacy, and Culture. There is an active program of readings by resident and visiting writers and artists. Students are active in writing and producing literary magazines: Hyphen is published on the main campus, and The Parable at Ambler.

**Requirements for the Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2097</td>
<td>Introduction to English Studies</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2201</td>
<td>Survey of English Literature: Beginnings to 1660</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2202</td>
<td>Survey of English Literature: 1660-1900</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2301</td>
<td>Survey of American Literature I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2302</td>
<td>Survey of American Literature II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2000+ level courses</td>
<td>Three English Electives</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3000+ level courses</td>
<td>Three English Electives</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>4000 level courses</td>
<td>One Senior Capstone Course</td>
<td>3</td>
<td>WI*</td>
</tr>
</tbody>
</table>

Total: 36

*Indicates writing capstone for the major
Distinction in Major
Students need at least a 3.65 GPA in their English courses to earn distinction in major.

Requirements for the Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2201</td>
<td>Survey of English Literature: Beginnings to 1660</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2202</td>
<td>Survey of English Literature: 1660-1900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2301</td>
<td>Survey of American Literature I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2302</td>
<td>Survey of American Literature II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select two Literature Surveys from:

Select four Electives in English, no more than two of which are in writing (creative, technical, or business):

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2201</td>
<td>Survey of English Literature: Beginnings to 1660</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2202</td>
<td>Survey of English Literature: 1660-1900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2301</td>
<td>Survey of American Literature I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2302</td>
<td>Survey of American Literature II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Writing Certificate

Select a total of five courses in Writing. At least one from each area listed below, no more than three in any single area. All of the courses must average a grade of B or higher.

Advanced Expository and Professional Writing Electives

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2496</td>
<td>Introduction to Non Fiction</td>
<td>3-9</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2796</td>
<td>Writing the Research Essay</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business and Industry</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3085</td>
<td>Career Internship</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Creative Writing

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2196</td>
<td>Creative Writing: Poetry</td>
<td>3-9</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2296</td>
<td>Creative Writing: Fiction</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2396</td>
<td>Creative Writing: Plays</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3196</td>
<td>Advanced Creative Writing: Poetry</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3296</td>
<td>Advanced Creative Writing: Fiction</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3396</td>
<td>Advanced Creative Writing: Plays</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3813</td>
<td>Writers at Work</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Writing Theory

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2897</td>
<td>Literacy and Society</td>
<td>3-9</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>2898</td>
<td>Texts/Cultures of Science</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>3821</td>
<td>Linguistics and Grammar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3823</td>
<td>History of the English Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3822</td>
<td>Semantics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3811</td>
<td>Theories of Discourse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>4196</td>
<td>Studies in Language and Literacy</td>
<td></td>
<td>WI</td>
</tr>
</tbody>
</table>

Total 15

Environmental Studies

Dr. Robert Mason, Director
330 Gladfelter Hall

© 2007, Temple University. All rights reserved. 385
Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens' organizations, consulting firms, and corporate environmental affairs departments.

Offered jointly by the College of Liberal Arts and College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A minor also is offered.

The program and its requirements are described in full in "Intercollegial Programs" section of this Bulletin.

### French

Wilbert Roget, Department Chair  
537 Anderson Hall  
215-204-8266  
wilbert.roget@temple.edu

Beth Curran, Advisor  
552 Anderson Hall  
215-204-7741  
bcurran@temple.edu

Laura Spagnoli, Advisor  
540 Anderson Hall  
215-204-6071  
spagnoli@temple.edu

### Requirements for the Major

- Prerequisites: French 1001, French 1002, and French 1003 with a minimum grade of C or equivalent placement.
- Course levels are incremental in skills and content. Courses must be taken sequentially or in some instances may be taken concurrently. Students who initially place beyond French 1003 may begin with French 2001 or a course beyond 2001, as appropriate.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>2001</td>
<td>Intermediate</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2041</td>
<td>Reading I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2096</td>
<td>Composition I</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>French</td>
<td>3096</td>
<td>Composition II</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>French</td>
<td>3101</td>
<td>Survey of French Lit I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3102</td>
<td>Survey of French Lit II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>4000-level</td>
<td>Select three courses</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Select at least one elective numbered 2002 to 4999  
3

Total  
27

### Distinction in Major

To be considered for Distinction in Major, students must:
1. Complete the requirements for the concentration in French with a GPA of at least 3.50;
2. Be recommended to the Chair of the department by the French faculty advisor after consultation with the French
(3) Have an overall GPA of at least 3.25.

**Requirements for the Minor**
- Prerequisites: French 1001 with a minimum grade of C or equivalent placement.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>1002</td>
<td>Introduction to French II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>French</td>
<td>1003</td>
<td>Introduction to French III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>French</td>
<td>2001</td>
<td>Intermediate</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of two courses from:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>2021</td>
<td>Conversation I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2041</td>
<td>Reading I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2096</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2501</td>
<td>French for Business I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of one course from:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>3001</td>
<td>Advanced Grammar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3021</td>
<td>Conversation II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3096</td>
<td>Composition II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3101</td>
<td>Survey of French Lit I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3102</td>
<td>Survey of French Lit II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>3201</td>
<td>Culture &amp; Civilization I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Requirements for the Special Foreign Language Certificate in French**
Six courses (18-20 semester hours) beginning with French 1001, including French 2501 (French for Business I) and an upper-level course (beyond French 2001).

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>1001</td>
<td>Introduction to French I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>French</td>
<td>1002</td>
<td>Introduction to French II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>French</td>
<td>1003</td>
<td>Introduction to French III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>French</td>
<td>2001</td>
<td>Intermediate</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2501</td>
<td>French for Business I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>2021</td>
<td>Conversation I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2041</td>
<td>Reading I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>2096</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total 20

**Study Abroad**
Students declaring a major in the department are encouraged to study abroad. Temple University has a summer program at the Sorbonne in Paris. Credits earned through the Temple Sorbonne Program may be used toward the French major, minor, certificate and in partial satisfaction of the International Studies requirement.

**Geography and Urban Studies**

Sanjoy Chakravorty, Chair
308 Gladfelter Hall

© 2007, Temple University. All rights reserved.
The Department of Geography and Urban Studies combines discipline of geography and the field of urban studies to offer a major that allows students to examine a range of approaches to key topics in the social sciences. Students choose from introductory courses and supplement them with a variety of intermediate and upper-level electives.

Students may choose courses that focus either on geography or urban studies or combine the two. Students examine the growth and development of cities and regions, environment and society, spatial analysis and industrial location, and the major distributions of physical and natural phenomena across the globe. Students may also choose to explore the social, political, economic, and historic aspects of urban life, including international comparisons of urban society and the policies that governments have devised to address urban problems. We encourage students to combine spatial and urban courses as well as take advantage of offerings in cartography and geographic information systems (GIS). We encourage students to study abroad for one semester as a critical part of their undergraduate education. Each student's program is developed with the departmental advisor to suit individual interests and is designed to maximize educational and career opportunities. Upon graduation, alumni successfully pursue graduate studies in a range of fields, or find work in nonprofit (domestic and international), planning or government agencies.

### Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUS</td>
<td>1051</td>
<td>Environment &amp; Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>GUS</td>
<td>1031</td>
<td>Geography of World Affairs</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>GUS</td>
<td>1021</td>
<td>Urban Society: Race, Class &amp; Community</td>
<td>3</td>
<td>RN</td>
</tr>
<tr>
<td>GUS</td>
<td>1025</td>
<td>World Urban Patterns</td>
<td></td>
<td>IS</td>
</tr>
</tbody>
</table>

#### Select one statistics course:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>3201</td>
<td>Statistical Methods in Sociology</td>
<td>3-4</td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1013</td>
<td>Elements of Statistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>1167</td>
<td>Social Statistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Another appropriate statistics course with</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>written approval of the faculty advisor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Select two of the following five intermediate courses:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th></th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUS</td>
<td>2014</td>
<td>Urban Geography</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>GUS</td>
<td>2031</td>
<td>Economic Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUS</td>
<td>2032</td>
<td>Urban Systems in a Global Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUS</td>
<td>2051</td>
<td>Urban Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUS</td>
<td>3097</td>
<td>Environment &amp; Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUS</td>
<td>4197</td>
<td>Research Methods in GUS</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>
**Distinction in the Major**

Geography and Urban Studies students can graduate with distinction if they fulfill the following requirements: a GPA of 3.5 in the major and overall 3.5 GPA, enrollment in at least one graduate (or undergraduate course cross-listed with a graduate course), the completion of an honors paper under the supervision of a faculty member, and the presentation of a paper in a public forum. Students who think that they may qualify for distinction should contact the undergraduate advisor by their junior year.

**Requirements for the Minor**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUS</td>
<td>1050</td>
<td>Environment &amp; Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>GUS</td>
<td>1031</td>
<td>Geography of World Affairs</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>GUS</td>
<td>1021</td>
<td>Urban Society: Race, Class &amp; Community</td>
<td></td>
<td>IN/RS</td>
</tr>
<tr>
<td>GUS</td>
<td>1025</td>
<td>World Urban Patterns</td>
<td></td>
<td>IS</td>
</tr>
</tbody>
</table>

**Electives**

Select five electives, at least four of the 15 courses must be 2000+ level.*

*One cognate course can substitute for an elective with written permission from the faculty advisor.

**Total**

18

**Tracks**

The department has identified several informal areas of concentration to assist students in making course selections. These do not constitute formal requirements but rather provide guidelines for developing a personalized curriculum. Students can focus on the following themes:

1. Urban Issues
2. Environmental Problems
3. International Development
4. Geographical Techniques

**Gamma Theta Upsilon**

We nominate students for membership in the National Honorary Society in Geography on the basis of GPA. Students, who are initiated annually, can submit articles to the GTU journal and apply for national scholarships.

**Internships**

We encourage students to apply their skills and knowledge in a credit-bearing internship that utilizes their academic training. Assignments at planning, social service and other agencies, as well as firms that specialize in mapping and geographic data analysis, have helped in securing employment opportunities. The Internship is complemented by a seminar in which students discuss their experiences. See the Internship coordinator (Marilyn Silberfein; pawling@temple.edu) for more details and for information on possible internship sites.

**Double Major with the College of Education**

Students may elect to earn certification in secondary school social studies by combining a major in Geography and Urban Studies with a major in Social Studies Education. Students may also earn certification through a GUS major and education minor following the 5-year B.A./M.A. program. For more information on this opportunity, please contact the CLA Academic Advising Center.

© 2007, Temple University. All rights reserved.
Certificates of Specialization in Travel and Tourism

Students may take a series of courses that examine the rapidly-growing fields of tourism and recreation from an urban/geographical perspective. For more information please see the School of Tourism and Hospitality Management.

Certificate of Specialization in the Geography of Tourism

The courses in this certification program examine all the world’s culture regions and the linkages among them. Students can elect courses relevant to either domestic or international tourism. Additional courses would then be chosen to help the student acquire a sense of place as well as strategies for learning about new locations.

Certificate in the Geography of Sports, Recreation and Tourism Planning

Students in this program who are interested in urban recreation and sports can take courses related to urban social and policy issues, while those interested in outdoor/rural recreation can take courses on environmental issues. The course on geographical information systems (GIS) is particularly relevant to tourism planning.

German

Wilbert Roget, Department Chair
537 Anderson Hall
215-204-8266
wilbert.roget@temple.edu
Margaret Devinney, Faculty Advisor
215-204–3356
devinney@temple.edu

532 Anderson Hall
215-204-7260
www.temple.edu/FGIS/Home/

Requirements for the Major

- Prerequisites: German 1001, 1002, with a minimum grade of C or equivalent placement.
- Course levels are incremental in skills and content. Courses must be taken sequentially or in some instances may be taken concurrently. Students who initially place beyond German 1003 may begin with German 2001 or at the 2000 level, as appropriate.
- Students who place out of 1003 will need one additional elective; those who place out of 2001 will need two additional electives.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>German</td>
<td>1003</td>
<td>Introduction to German III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>German</td>
<td>2001</td>
<td>Intermediate German</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>3096</td>
<td>Composition I</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>German</td>
<td>3201</td>
<td>Culture &amp; Civilization I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>Electives</td>
<td>Select six from 2000, 3000, and 4000 level courses</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

* Indicates writing capstone for the major

Note: Up to two upper-level courses outside of the Department will count as electives if they relate to the major as approved in writing by the department advisor.

Distinction in Major

To be considered for Distinction in the German Major, students must:
1. Complete the requirements for the concentration in German with a GPA of at least 3.50;
2. Have an overall GPA of at least 3.25;
3. Be recommended to the Chair of the department by the German faculty advisor.
Requirements for the Minor

Prerequisites: German 1001 or equivalent placement with a minimum grade of C.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>German</td>
<td>1002</td>
<td>Introduction to German II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>German</td>
<td>1003</td>
<td>Introduction to German III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>German</td>
<td>2001</td>
<td>Intermediate German</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>3096</td>
<td>Composition I</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>German</td>
<td>3201</td>
<td>Culture &amp; Civilization</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>Electives</td>
<td>Select one from 2000, 3000, and 4000 level courses</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>19</td>
<td></td>
</tr>
</tbody>
</table>

Note: Up to two upper-level courses outside of the department will count as electives if they relate to the major as approved by the department advisor.

Requirements for the Special Foreign Language Certificate in German

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>German</td>
<td>1001</td>
<td>Introduction to German I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>German</td>
<td>1002</td>
<td>Introduction to German II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>German</td>
<td>1003</td>
<td>Introduction to German III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>German</td>
<td>2001</td>
<td>Intermediate German</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>2501</td>
<td>German for Business I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one course from:</td>
<td></td>
<td>Composition I</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>German</td>
<td>3096</td>
<td>Culture &amp; Civilization I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>3201</td>
<td>Culture &amp; Civilization I</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates writing capstone for the major.

Study Abroad

Students declaring a major or minor in the department are strongly encouraged to study abroad. Temple University has programs at the universities of Hamburg and Tübingen and Leipzig in Germany. Courses completed in these programs may be credited toward the German major or minor and in partial satisfaction of the International Studies requirement.

Students interested in Study Abroad should discuss their plans with the faculty advisor in German early in their academic program.

Greek and Roman Classics

Robin Mitchell-Boyask, Department Chair
329 Anderson Hall
215-204-8267
robin@temple.edu

Martha A. Davis, Advisor
321 Anderson Hall
215-204-8267
madavis@temple.edu

330 Anderson Hall
215-204-8267
www.temple.edu/classics

Students in the Department of Greek and Roman Classics study the cultures and languages of two major civilizations of the ancient Mediterranean world. Classics is an interdisciplinary field of study which encompasses major disciplines of the liberal arts: languages, history, literature, and philosophy.
Classics offers a sound liberal arts background: Classics majors have held senior positions in government, law, and public service organizations, have founded and headed profit and non-profit companies and organizations, and have worked as correspondents and journalists. Recent Temple Classics majors have gone on to law school, veterinary school, graduate school, business and teaching careers.

The organization for majors and minors is Zeta Beta Chapter of Eta Sigma Phi, the National Honorary Society for Classics.

**Requirements for the Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek/Latin</td>
<td>1001</td>
<td>Greek/Latin I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Greek/Latin</td>
<td>1002</td>
<td>Greek/Latin II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Greek/Latin</td>
<td>2001</td>
<td>Greek/Latin III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Greek/Latin</td>
<td>2002</td>
<td>Greek/Latin IV</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Greek/Latin</td>
<td>3002</td>
<td>Readings in Greek/Latin Literature II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Greek/Latin</td>
<td>Electives</td>
<td>Select two courses in Greek and/or Latin languages. If exempt from beginning Greek and/or Latin courses through placement, substitute additional electives until a total of seven language courses are completed.</td>
<td>6-8</td>
<td></td>
</tr>
</tbody>
</table>

**One Writing Capstone:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek/Latin</td>
<td>3096</td>
<td>Readings in Greek/Latin Literature I*</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one from:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>G+R CL</td>
<td>3001/3196</td>
</tr>
<tr>
<td>G+R CL</td>
<td>3296</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select two:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>G+R CL</td>
<td>1003-4999</td>
</tr>
</tbody>
</table>

**Total** 35-37

*Capstone Course in Major; select Greek or Latin.

**May include advanced courses in Greek and/or Latin. Or, may include related courses in other departments, per departmental approval.

**Distinction in Major**

Distinction in Major requires a senior thesis and a minimum GPA of 3.5 in Greek, Latin, or Greek and Roman Classics courses.

**Requirements for the Minor**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek/Latin</td>
<td>1001-2002</td>
<td>Greek/Latin IV or proficiency</td>
<td>0-14</td>
<td></td>
</tr>
<tr>
<td>G+R CL</td>
<td>3001/3196</td>
<td>Classical Greek &amp; Roman Mythology or Comparative Mythology</td>
<td>3</td>
<td>/WI</td>
</tr>
<tr>
<td>G+R CL</td>
<td>3296</td>
<td>Comparative Mythology</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>G+R CL</td>
<td>Electives</td>
<td>Four additional courses (see note below)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 15-29

Note: Minimum of two of these courses must be above the 2000 level. Courses must fall under the following categories: a. Advanced courses in Greek and/or Latin; b. Courses in Classical Culture; c. Courses on aspects of the ancient Greek and Roman world offered in other Temple departments such as Art History, History, Religion, and Philosophy, and approved by the department advisor.
### Required Courses for the Ancient Mediterranean Studies Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek/Latin</td>
<td>1001-1002</td>
<td>Greek/Latin II or proficiency</td>
<td>0-8</td>
<td>LA</td>
</tr>
</tbody>
</table>

**Select one of the following:**

<table>
<thead>
<tr>
<th>G+R CL</th>
<th>3001/3196</th>
<th>Classical Greek &amp; Roman Mythology</th>
<th>/WI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3296</td>
<td>Comparative Mythology</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>3396</td>
<td>Classical Epic</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Select two courses:**

<table>
<thead>
<tr>
<th>G+R CL</th>
<th>3596</th>
<th>The Ancient City*</th>
<th>WI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3696</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td>3002/3796</td>
<td></td>
<td>/WI</td>
</tr>
<tr>
<td></td>
<td>3003/3896</td>
<td></td>
<td>/WI</td>
</tr>
</tbody>
</table>

| G+R CL     | Elective          | One additional course at or above 2000[^] | 3     |

**Total**

| 12-20 |

**Study Abroad**

*Cycle of five cities offered: Jerusalem, Augustan Rome, Byzantium, Periclean, Hellenistic Alexandria.

[^Courses can be from this department or from another department such as: Anthropology, Art History, Religion, History, or Philosophy, as approved by Greek & Roman Classics department advisors.*

Greek & Roman Classics Majors and Minors are encouraged to study a semester at Temple's Rome Campus.

---

**History**

Andrew C. Isenberg, Chair  
913 Gladfelter Hall  
215-204-6176  
aisenber@temple.edu

William I. Hitchcock, Director of Undergraduate Studies  
913 Gladfelter  
215-204-9745  
whitch@temple.edu

David M. Jacobs, Undergraduate Advising Coordinator  
927 Gladfelter Hall  
215-204-7966  
David.Jacobs@temple.edu

913 Gladfelter Hall  
215-204-7461  
www.temple.edu/history

The faster our lives change, the more we need to understand our past, reflect on our present, and make decisions for our future. History helps us to understand who we are and where we came from. It provides unique insights and perspectives for our personal and professional pursuits.

The study of history incorporates all people and all societies from the dawn of civilization to the present. As such, students can specialize in certain countries, regions, eras, or other aspects of these areas. The History Department divides its courses between American History, European History, and Comparative, Global, Third World History. Within each division, one can choose history courses in political, diplomatic, social, cultural, economic, gender, and ethnic history. Students should concentrate in one field of history and also be well-versed in the three main divisions.

Temple History graduates have gone into a wide range of careers; business, law, politics, education, historical preservation, and information resources are just a few of the many areas. History arms the student for a maximum amount of flexibility for career choices.
Temple students regularly participate in the intellectual life of the region through their connections to such organizations and institutions as the McNeil Center for Early American Studies, the Balch Institute for Ethnic Studies, the Pennsylvania Historical Society, the Atwater Kent Museum, and the American Philosophical Society.

The Department of History offers an Honors Program for majors with outstanding academic records. Qualified majors are invited to join Phi Alpha Theta, the History honor society; both minors and majors participate in the Undergraduate History Association. Special Programs allow undergraduates to major in History and earn teaching certification, or to major in history and earn a Masters in Education in five years (program administered through the School of Education).

The History Major
The History major consists of a step approach in which 1000-level courses are beginning courses. Courses numbered between 2000 and 3000 are intermediate courses, and courses numbered 4000 are advanced courses.

- The major in history requires thirty-six (36) credit hours, of which at least twenty-four (24) must be at the 1000 or 2000 level, and at least twelve (12) credits must be at the 3000 and 4000 levels.
- Courses are divided into three categories: a) Comparative, Global, and Third World; b) European; and c) United States. Students must take a minimum of two (2) courses whose predominant content is Third World, two (2) in US, and two (2) in European. In each area, one course must be 2000 level or above.
- Each major should take four (4) courses that represent an area of concentration based on some geographic or thematic intellectual rationale. The area of concentration should be defined in writing and approved by a departmental advisor, ideally at the start of the junior year and no later than the start of the senior year.
- Majors must take a Capstone Writing Seminar: History 4296, Writing Seminar in American History; 4497, Writing Seminar in European History; 4696, Writing Seminar in Third World History; or History 4897, Writing Seminar in the Contemporary Theory and Practice of History. This course counts as one of the four required at the 3000 or 4000 level.

Requirements for the Major
Minimum of 12 courses in History, distributed as follows:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select up to eight courses at the Lower or Intermediate Level</td>
<td></td>
<td></td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>1000</td>
<td>Introductory Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>2000</td>
<td>Intermediate Level</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of three courses at the 3000 level

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3000</td>
<td>Intermediate History Courses</td>
<td>9+</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>3711-4282</td>
<td>Advanced History Courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one Capstone Writing Seminar:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>4296</td>
<td>Writing Seminar in American History</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>4497</td>
<td>Writing Seminar in European History</td>
<td></td>
<td>WI*</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>4696</td>
<td>Writing Seminar in Comparative, Global, Third World History</td>
<td></td>
<td>WI*</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>4897</td>
<td>Writing Seminar in Contemporary Theory and Practice of History</td>
<td></td>
<td>WI*</td>
</tr>
</tbody>
</table>

Total: 36

* Indicates writing capstone for major
Distinction in Major

Students must successfully complete a sequence of History 4034, Historiography and Research Methods (first offered in Spring 2005) and the History Honors Capstone (also offered in Spring 2005). The end product of the History Honors Capstone is an Honors Senior Thesis to be presented in a public forum. Students must continue to maintain a 3.5 GPA in all history courses and a 3.3 GPA in Temple courses overall.

History Honors Program

Requirements for admission: History majors must have a GPA of 3.5 in at least five history courses, three of which must be 2000-level or above; an overall GPA of at least 3.3; and a writing sample for submission to the Honors Committee. Students may apply for admission by submitting the writing sample and verifying their GPAs to the History Honors Committee or to any member of the History faculty. For more information, contact Professor Elizabeth Varon, Director, History Honors Program, evaron@temple.edu.

Requirements for the Minor

A History minor is an ideal complement to other majors and programs at Temple, from medicine to journalism, from computer science to finance, from film to marketing. Students with a minor in history are required to take six (6) courses totaling eighteen (18) semester hours. Of the six courses, at least two (2) must be numbered 2000 or above and at least two courses (2) must be numbered 3000 or above.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>1501</td>
<td>Third World History</td>
<td>6</td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1701</td>
<td>World History—Ancient</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1702</td>
<td>World History—Modern</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1705</td>
<td>War and Society</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1708</td>
<td>Gender and History</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1301</td>
<td>Modern Europe</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>History</td>
<td>1101</td>
<td>U.S. History to 1877</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>U.S. History Since 1877</td>
<td></td>
<td>AC</td>
</tr>
</tbody>
</table>

Select up to two from the following:

Select at least two 2000 level courses. 6

| History | 2000 | Intermediate History Courses |

Select at least two 3000 level courses. 6

| History | 3000 | Advanced History Courses |

TOTAL 18

Italian

Wilbert Roget, Department Chair
537 Anderson Hall
215-204-8266
wilbert.roget@temple.edu

Mariquita Noris, Major/Minor Advisor
215-204-8278
mgnoris@temple.edu

Stephanie Fiore, Core Coordinator
215-204-7909
sfiore@temple.edu

Anderson Hall, Room 532
215-204-1261
www.temple.edu/fgis
Requirements for the Major

- Students who place out of Italian 1003 will need one additional elective; those who place out of Italian 2001 will need two additional electives.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian</td>
<td>1003</td>
<td>Italian Language III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Italian</td>
<td>2001</td>
<td>Intermediate Italian</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>3096</td>
<td>Composition II: Advanced Writing Skills</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Italian</td>
<td>Electives</td>
<td>Select seven courses numbered 2000+</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates writing capstone for the major.
**Two cognate courses in English may be accepted (by permission of the Italian advisor) as part of the required elective courses.

Requirements for the Minor

- Students who place out of Italian 1002 will need one additional elective; students who place out of 1003 will need two additional electives; students who place out of 2001 will need three additional electives.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian</td>
<td>1002</td>
<td>Italian Language II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Italian</td>
<td>1003</td>
<td>Italian Language III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Italian</td>
<td>2001</td>
<td>Intermediate Italian</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>Electives</td>
<td>Select three courses numbered 2000+</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>19</td>
<td></td>
</tr>
</tbody>
</table>

Requirements for the Special Foreign Language Certificate in Italian

Six courses (20 semester hours), beginning with Italian 1001 - Italian Language I and including Italian 2501 - Italian for Business.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian</td>
<td>1001</td>
<td>Italian Language I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Italian</td>
<td>1002</td>
<td>Italian Language II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Italian</td>
<td>1003</td>
<td>Italian Language III</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Italian</td>
<td>2001</td>
<td>Intermediate Italian</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>2501</td>
<td>Italian for Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>Elective</td>
<td>Select one course numbered 2000+</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Distinction in Major

To be considered for Distinction in Major in Italian, students must:

- Complete the requirements for the concentration in Italian with a GPA of at least 3.50;
- Have an overall GPA of at least 3.25;
- Be recommended to the Chair of the department by the Italian faculty advisor.

Study Abroad

Students declaring a major or minor in Italian are encouraged to study abroad. Temple has its own campus in Rome, Italy, which offers courses in a variety of fields including language, art, architecture, and international business. Students interested in studying in Italy should discuss their plans with the Italian faculty advisor as early as possible.
Jewish Studies

Laura Levitt, Director
641 Anderson Hall
215-204-4745
llevitt@temple.edu

641 Anderson Hall
215-204-1644
www.temple.edu/jewishstudies

Jewish Studies is an interdisciplinary field that allows students to sample courses across the liberal arts curriculum at Temple University. Central to Jewish Studies is an examination of the history, culture, beliefs, customs, practices, texts, and languages of the Jewish people. It addresses the legacy of over two thousand years of Jewish life as it has been lived in Jewish communities across the globe. At Temple we pay particular attention to contemporary issues of Jewish culture, identity, and practice. Students can either major or minor or can now do a certificate program in Jewish Secular Studies, a five-course mini-minor.

Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hebrew</td>
<td>2002</td>
<td>Intermediate II or Equivalent approved by a faculty advisor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>2403-4896</td>
<td>Select one introductory course from J ST 2403-4896</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Religion*</td>
<td>Electives</td>
<td>Two relevant courses</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>History*</td>
<td>Electives</td>
<td>Two relevant courses</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Hebrew*</td>
<td>Electives</td>
<td>Two courses in language or literature</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>Electives</td>
<td>Four electives numbered 2000+</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>4096</td>
<td>Independent Jewish Studies</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>39</td>
<td></td>
</tr>
</tbody>
</table>

*Students should select courses in these departments that are related to Jewish language, religion and culture.

Distinction in Major

Jewish Studies majors may graduate with distinction if they have a GPA of 3.5 or better in the major, a cumulative GPA of 3.0 or better, and a grade of 3.5 or better in the capstone course (4096: Individual research project with a specific faculty member. Intended for majors in the final semester of coursework).

Sub-tracks with Concentrations in History or Religion

Interested students should consult with a Jewish Studies advisor to plan an individual program of study.

Requirements for the Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hebrew</td>
<td>2001</td>
<td>Intermediate I or Equivalent approved by a faculty advisor</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>2403-4896</td>
<td>One introductory course from J ST 2403-4896</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Religion*</td>
<td>Elective</td>
<td>One relevant course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History*</td>
<td>Elective</td>
<td>One relevant course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hebrew*</td>
<td>Elective</td>
<td>One course in language or literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>Electives</td>
<td>Three upper-level electives</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
**Requirements for the Jewish Secular Studies Certificate**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jewish Studies</td>
<td>2501</td>
<td>Jewish Secularism/Jewish Civilization I</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>2502</td>
<td>Jewish Secularism/Jewish Civilization II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select four of the following electives:</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>2705</td>
<td>Antisemitism/Holocaust/Racism</td>
<td>RS</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3085</td>
<td>Jewish Studies Internship</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3221</td>
<td>Jewish Experience in America</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3225</td>
<td>The Image of the Jew in Motion Pictures</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3406</td>
<td>Women in Judaism</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3411</td>
<td>The Philosophies of Judaism</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>3711</td>
<td>Mideast Literature in Translation</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>4096</td>
<td>Independent Study in Jewish Studies</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Jewish Studies</td>
<td>4896</td>
<td>Modern Jewish History</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>4896</td>
<td>Jews, Judaism &amp; the Modern World</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Latin American Studies**

Ronald Webb, Director  
416 Anderson Hall  
215-204-7527  
rwebb@temple.edu  
www.temple.edu/LAS

The Latin American Studies Center offers three academic programs for undergraduates: the Latin American Studies Major, the Latin American Studies Minor, and the Latin American Studies Semester (LASS). We also offer two certificates, in association with other academic departments, in Spanish & Latin American Studies for Business and Latino Studies & Spanish for the Health and Human Services Professions.

The Latin American Studies Major is an interdisciplinary program with a focus on the study of social problems of Latin America. Latin America’s art, literature, and religious thought have been universally recognized for their high quality and contribution to world civilization. At the same time, extreme social inequality persists in Latin America in addition to rapid urban growth, dramatic ecological change, and political upheavals with powerful local and global implications. The Latin American Studies major offers a variety of courses that examine these issues. To complete the major, students must take twelve 3-credit courses in Latin American Studies, and demonstrate a reading and speaking knowledge of Spanish or Portuguese.

**Requirements for the Major**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Latin American Studies - Select one:</td>
<td></td>
<td></td>
<td>3-6</td>
<td>IS</td>
</tr>
<tr>
<td>LAS</td>
<td>1001</td>
<td>Perspectives on Latin America</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>or The Latin American Studies Semester Program (LASS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>Select nine courses, excluding LAS 1001 and 4097, from the approved list of Undergraduate Courses in Latin American Studies.</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

**Spanish-American Literature Courses** - Select one:  
Spanish  
3214 Spanish-American Culture & Civilization

*Students should select courses in these departments that are related to Jewish language, religion and culture.*
any 3000+ level

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAS</td>
<td>4097</td>
<td>Latin American Studies Seminar</td>
<td>3</td>
<td>WI*</td>
</tr>
</tbody>
</table>

Total: 36-39

* Indicates Writing Capstone for the Major

Requirements for the Minor

The Latin American Studies Minor enables students to combine the requirements of their majors with the study of Latin America. It is designed to be of particular value to students who intend to engage in technical, professional, business, or government work involving Latin America. To earn the minor, students must complete six 3-credit courses in subjects with a Latin American emphasis, and demonstrate a reading knowledge and speaking facility of Spanish or Portuguese.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAS</td>
<td>1001</td>
<td>Perspectives on Latin America</td>
<td>3-6</td>
<td>IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Latin American Studies Semester Program (LASS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAS</td>
<td>Electives</td>
<td>Select four or five courses depending on number of credits of chosen introductory course, from the approved list of Undergraduate Courses in Latin American Studies.</td>
<td>12-15</td>
<td></td>
</tr>
</tbody>
</table>

Total: 18

Students also must demonstrate reading knowledge and speaking facility of Spanish or Portuguese through one of the following methods:

<table>
<thead>
<tr>
<th>Language</th>
<th>Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish or Portuguese</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LASS</td>
<td>Latin American Studies Semester</td>
<td>6</td>
</tr>
<tr>
<td>or</td>
<td>Proficiency examination</td>
<td></td>
</tr>
</tbody>
</table>

Please note: LASS Program counts as one introductory course and one elective.

Distinction in Major

Latin American Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0.

Latin American Studies Semester (LASS)

The Latin American Studies Semester (LASS) is a 15-credit total immersion, interdisciplinary program designed to teach students to speak Spanish or to increase greatly their Spanish language fluency in one semester. The course meets daily from 9:00 a.m. to 3:00 p.m., and includes, in addition to Spanish language skill acquisition, the study of Latin America through social science, literature, and film. The highlight of the course is a trip to Mexico during the Spring Break. LASS is offered each spring semester.
Lesbian, Gay, Bisexual and Transgender (LGBT) Minor

Patricia Melzer, Advising Coordinator
816 Anderson Hall
215-204-6953
pmelzer@temple.edu

LGBT Studies analyzes gender, sexuality, and sexual orientation as they are understood by various disciplines and in cross-cultural perspectives. The minor enables students to become familiar with concepts, theories, history, literature, and political and sociological issues concerning the LGBT community. It also gives students an opportunity to examine and think critically about the intersections of sexuality, sex, and gender, and become aware of the diversity of attitudes about sexuality in different cultures and historical eras.

Requirements for the Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGBT</td>
<td>2405</td>
<td>Gay and Lesbian Lives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LGBT</td>
<td>4489</td>
<td>Field Work</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Four electives are required: Among those courses, minors must take two or three LGBT Studies theme courses and one or two Gender courses. Some examples are:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women's Studies</td>
<td>2096</td>
<td>Politics of Diversity</td>
<td>3</td>
<td>WR</td>
</tr>
<tr>
<td>Women's Studies (cross-listed as English 3097)</td>
<td>3097</td>
<td>Feminist Theory</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Sociology (cross-listed as Women's Studies 3546)</td>
<td>3546</td>
<td>Sexuality and Gender</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History (cross-listed as Women's Studies 2109)</td>
<td>2109</td>
<td>Sexuality and Gender in American History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

Intercollegial B.A. Degree in Mathematical Economics

Dimitrios Diamantaras, Advisor
Department of Economics
Ritter Annex, Room 623
215-204-8169
dimitrios.diamantaras@temple.edu

Boris A. Datskovsky, Advisor
Department of Mathematics
Wachman Hall, Room 632
215-204-7847
boris.datskovsky@temple.edu

The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting, and other disciplines that make an extensive use of economics, need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics. The program and its requirements are described in full in the Intercollegial Programs section of this Bulletin.

Philosophy
The Philosophy Department offers a 36-credit B.A. degree program. The program is designed to provide a solid foundation for various professions in business, government, and professional schools (such as law), as well as an excellent background for the further study of philosophy. The department makes special provisions for students who have chosen the major as preparation for entry into law school. These students should follow a path slightly different from that of traditional majors, as indicated below. The Philosophy Department always has many majors who are transfer students. Students should be sure to see a departmental advisor to make the necessary adjustments for their progress through the major.

### Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>1066</td>
<td>Introduction to Logic</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Philosophy</td>
<td>2161</td>
<td>History of Philosophy – Greek</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>2172</td>
<td>History of Philosophy – Modern</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select one **Introductory Philosophy** course:

| Philosophy | 1101     | Introduction to Philosophy | 3     |     |

Select one **Ethics** course:

| Philosophy | 3222     | Contemporary Ethical Theory | 3     |     |
| Philosophy | 3226     | Classics in Moral Philosophy¹ |     |     |

Select one **Senior Seminar**:

| Philosophy | 4298     | Senior Seminar | 3     | WI  |
| Philosophy | 4379     | Pre-Law Tutorial |     |     |

Six additional **Philosophy** courses at the 2000+ level | 18 |

**Total** | 36 |

¹ For scheduling reasons, especially for transfer students, another ethics-related course is often substituted.

### Suggestions for the Philosophy Major with a Pre-Law Emphasis

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>1050</td>
<td>Philosophical Challenges to the Individual</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1055</td>
<td>Critical Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>2161</td>
<td>History of Philosophy – Greek</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>2172</td>
<td>History of Philosophy – Modern</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3243</td>
<td>Philosophy of Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>4379</td>
<td>Pre-Law Tutorial</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3085</td>
<td>Pre-Law Internship</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>2000+</td>
<td>5 additional philosophy courses at the 2000+ level</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Total** | 36 |
**Distinction in Major**

Successful completion of Philosophy 4999, Honors Thesis.

**Requirements for the Minor**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>1101</td>
<td>Introduction to Philosophy</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1001</td>
<td>Philosophical Challenges to the Individual</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following list:

| Philosophy | 1066 | Introduction to Logic                      | 3     | QB  |
| Philosophy | 1055 | Critical Thinking                          |       |     |

Select one History of Philosophy course:

| Philosophy | 2161 | History of Philosophy – Greek              | 3     |     |
| Philosophy | 2172 | History of Philosophy – Modern             |       |     |

Select one Ethics course:

| Philosophy | 3222 | Contemporary Ethical Theory                | 3     |     |
| Philosophy | 3226 | Classics in Moral Philosophy               |       |     |

Three additional Philosophy courses:

| Philosophy | 2000+ | Three electives numbered at the 2000 level or higher | 9     |     |

**Total** 21

---

**Political Science**

Gary Mucciaroni, Chair  
409 Gladfelter Hall  
215-204-7796  
gmucciaroni@temple.edu

Hawley Fogg-Davis, Undergraduate Chair  
455 Gladfelter Hall  
215-204-6929  
hfd@temple.edu

Daniel Chomsky, Undergraduate Faculty Advisor  
422 Gladfelter Hall  
215-204-7817  
Dchomsky@temple.edu

408 Gladfelter Hall  
215-204-7796  
www.temple.edu/polsci/

The Political Science major and minor provide a systematic study of politics in the United States (federal, state, and local) and foreign countries. Students will have an opportunity to compare United States politics and policy to those of other nations and to study the relationship among states within the international system. Special emphasis will be placed on using theoretical tools to study the role institutions and social relations play in shaping political outcomes, as well as the relationship between politics and economics (political economy).

The key educational goal for political science students is analytical thinking. Students will recognize and understand various patterns in the distribution of political power and recurrent models of political behavior. Students will also gain insight into the relationship between the distribution of resources and power within society and political outcomes. As politics inherently involves how societies distribute life opportunities, students will also reflect upon the moral choices involved in political life. The department teaches students how to develop the capacity to conduct empirical research in
order to illuminate and revise theoretical models of politics. Students will be expected to use a full range of data and to write clearly.

Political Science graduates pursue a wide range of careers. They may work in government offices (at all levels), political campaigns, private voluntary organizations, unions and community organizations, as well as the private sector. Some pursue teaching careers. A degree in Political Science is also excellent preparation for law school.

The department can arrange internships, which are typically linked to academic study. In addition, our Experiential Learning Program offers internships combined with academic seminars every term.

The department has two important student organizations: the Political Science Majors Association and the Political Science Honor Society - Pi Sigma Alpha, Temple Chapter.

Requirements for the Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political Science</td>
<td>1101</td>
<td>The American Political System (Honor Students take 1911)</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Political Science</td>
<td>1201</td>
<td>Foreign Government and Politics (Honor Students take 1921)</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Political Science</td>
<td>1301</td>
<td>International Politics (Honor Students take 1931)</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Political Science</td>
<td>2496</td>
<td>Introduction to Political Philosophy</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Political Science</td>
<td>4896</td>
<td>Capstone in Political Science</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Political Science</td>
<td>Electives</td>
<td>Select 6 courses in the 2000-4000 level or higher</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>33</td>
<td></td>
</tr>
</tbody>
</table>

Note: Courses should be sequenced so that students take the introductory courses before the upper-level courses. PS 1101 is an introduction to U.S. politics and should be taken before upper-level courses in this area. Similarly, PS 1201 introduces foreign governments and precedes upper-level courses in this field. PS 1301 introduces International politics and is a prerequisite for upper-level courses in this subject matter. PS 2496* introduces Political Theory and should be taken after a student has had several political science courses and should precede upper-level theory courses. PS 4896* is the Capstone course for the major and should be taken in the senior year after the completion of PS 1101, 1201, 1301, 2496 and four Political Science courses numbered 2000 or higher. Not all courses are offered every semester. Please check the Schedule of Classes for actual course offerings each semester.

Requirements for the Minor

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political Science</td>
<td>1101</td>
<td>The American Political System (Honor Students take 1911)</td>
<td>6</td>
<td>AC</td>
</tr>
<tr>
<td>Political Science</td>
<td>1201</td>
<td>Foreign Government and Politics (Honor Students take 1921)</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Political Science</td>
<td>1301</td>
<td>International Politics (Honor Students take 1931)</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Political Science</td>
<td>2496</td>
<td>Introduction to Political Philosophy</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Political Science</td>
<td>Electives</td>
<td>Select four courses numbered 2000-4000</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

Special Programs

Honors Program: Students in the Temple Honors Scholar Program may choose to specialize in Political Science. Through honors seminars, mentoring, and university research funding, the Honors Scholar Program encourages motivated students to make the most of their undergraduate studies through guided independent scholarly research as well as through intellectual interaction with faculty and other honors students both from Political Science and other departments. Students must have completed 60 + credits in order to apply to become an Honors Scholar (typically during the spring of their sophomore year). For an on-line application and more detailed information, please visit the Temple University Honors Scholar Program web site at: www.temple.edu/honors. The program enables majors to develop the analytic and research skills necessary for graduate or professional school and for careers in political research. Completion of the Program’s...
requirements leads to the "Honors Scholar" designation on the Temple transcript. Departmental honors seminars provide a dynamic and participatory environment in which the best and most motivated students in the department engage some of the most pressing issues in national and international politics. Recent courses have explored the politics of democracy and authoritarianism, money and the electoral process, and constitutional law. While each seminar involves close reading of a significant body of literature and the writing of analytic essays or a research paper, the time demands of the seminar will not interfere with successful performance in other courses. Those interested in applying for admission should write or call the Honors Program Coordinator, Dr. Hawley Fogg-Davis (phone: 215-204-6929, e-mail: hfd@temple.edu).

Funding and Support: Honors Program students may apply for financial support to cover research related activities, such as visits to archives, travel to present a scholarly paper, etc. up to $2,000 through the Undergraduate Research Incentive Fund: http://www.temple.edu/vpus/programs_initiatives/index.htm#urif. Funding is also available through the Diamond Research Scholars Program: http://www.temple.edu/vpus/programs_initiatives/index.htm#dtdu. Honors students are also encouraged to submit their completed senior thesis to the Library Prize for Undergraduate Research: http://library.temple.edu/about/prize/howtoapply.jsp?bhcp=1.

Experiential Learning/COOP Program: The Cooperative Education Program is designed to provide experience in an actual job situation for which the student earns academic credit when their work is done in conjunction with academic supervision. Interested students should see Ms. Helaine Liwacz, Coop and Internship Coordinator, for more information (Gladfelter Hall, Room 431; phone: 215-204-6795; e-mail: laineli@temple.edu).

Pre-Law Studies: Political Science is one of the most popular majors for pre-law students. Although law schools neither give preference to any particular major nor require any specific undergraduate courses, they do make some general recommendations about getting a sound Liberal Arts education. Students should visit the CLA website, www.temple.edu/claprelaw/, for more information.

In general pre-law students should develop skills in communicating ideas in both written and spoken form. In addition, pre-law students should sharpen their analytical abilities and ability to think logically. Law schools also recommend that pre-law students acquire in-depth understanding of at least one social science (such as Political Science). Finally, some knowledge of business structure and terminology may be useful in law school. For further information, students interested in pre-law studies should contact Professor Conrad Weiler (Gladfelter Hall, Room 431; phone: 215-204-7746; e-mail: weilerc@temple.edu).

Study Abroad: Temple provides a number of opportunities for students to study abroad, and the experience of living in, and meeting people from, other cultures, seeing different countries, and learning a foreign language can greatly enrich the undergraduate experience. The Office of International Programs (200 Tuttleman Learning Center; phone: 215-204-0720; www.temple.edu/studyabroad/) has information on a variety of programs abroad. Temple study abroad locations include Tokyo, Rome, Israel, London, Paris, Germany, Ghana, and Mexico.

The Political Economy Certificate Program: The Department of Political Science and the Department of Economics offer an interdisciplinary program leading to a Certificate in Political Economy. The program focuses on the interaction between government and the economy and is ideal preparation for students planning careers in either the public or private sector. It also provides an excellent foundation for graduate studies in law, the social sciences, and public administration. The program is open to all matriculated students in the University. Contact Dr. Richard Deeg (phone: 215-204-7123; e-mail: rdeeg@temple.edu) for specific details and requirements.

Student Organizations

The Political Science Majors Association is the organization of all Political Science majors at Temple University. The primary purpose of the Association is to represent the opinions and interests of undergraduate majors within the Political Science Department. The Association sponsors activities for Undergraduate majors, including career forums, lectures, student and faculty mixers, law and graduate forums, seminars on popular topics, and trips to Harrisburg.

Pi Sigma Alpha is the national Political Science Honor Society, into which students who have distinguished themselves in the field of Political Science are inducted. Inquiries about membership should be directed to the faculty advisor of Pi Sigma Alpha, Dr. Robin Kolodny (phone: 215-204-7709).

Psychology
Elective Psychology Courses at Any Level
Each term, the Psychology Department will offer a few courses which are not listed under the regular required curriculum. These courses will be open to both the Psychology major and the non-major and usually will have the prerequisite of only Psychology 1061. Psychology majors taking these courses will receive elective CLA credit which will contribute to the CLA upper-level course requirement.

Psychology 3791 - 3891 Research Problems
One or two terms of Psychology 3791 - 3891 maybe taken as elective psychology credit and helps fulfill the CLA upper-level course requirement. Your student advisor has information on the research interests of the faculty. You must contact the faculty member with whom you plan to work and receive their approval prior to registration. Working with a faculty member on a research project can be a very valuable experience, and this course an important one to have on your record when making application to graduate school. The maximum credit permissible for 3791 - 3891 is 8 s.h.; a maximum of 4 credits each in 3791 and 3891.

Psychology 3785 - 3787 Internship
Designed for those who want to experience psychology in the workplace, the internship allows students to apply theory to real-life situations, build an employment record, and complement future applications for graduate work in psychology or social work. Work placements are available in a number of different applications in psychology, including, but not limited to: organizational, applied behavior analysis; education; clinical and counseling psychology; opportunities to work with autistic children, probation officers; and a variety of other placements. Each setting offers students a range of employment options that link classroom learning with practical experience. Students graduating from the program will have on-the-job experience as well as recommendations and job performance evaluations so that they can move easily from their undergraduate studies into psychology-related job opportunities or into graduate schools with an applied focus. Contact Dr. Margo Storm for information about our internships, 215-204-3409 or mstorm@temple.edu.

Requirements for the Major
41 Credit Hours in Psychology

Introductory Courses Required:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Psychology</td>
<td>1071</td>
<td>Psychology as a Natural Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9</strong></td>
<td></td>
</tr>
</tbody>
</table>

Psychology Science Requirement:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>1001</td>
<td>Human Biology</td>
<td>3-4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1031/1033</td>
<td>General Chemistry I and Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1021</td>
<td>Introduction to General Physics I</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3-4</strong></td>
<td></td>
</tr>
</tbody>
</table>
Methods Courses Required:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2168</td>
<td>Inferential Methods in Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 1167 or equivalent)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2196</td>
<td>Scientific Thinking in Psychology</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 1061, 1071, 1167)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
</tr>
</tbody>
</table>

Foundation Courses (2000 Level):
Three courses required – at least one each from the BBC Area (2101, 2102, 2103, 2501, 2502, 2104) and one from the DCS Area (2301, 2401, 2402, 2201). The third foundation course can be in either area. Foundation courses are prerequisites for the advanced (3000-level) areas.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2301</td>
<td>Introduction to Developmental Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2401</td>
<td>Foundations of Social Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2402</td>
<td>Foundations of Industrial &amp; Organizational Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2201</td>
<td>Foundations of Psychopathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one course from the DCS area</strong> (Prerequisite: Psychology 1061):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one course from the BBC area</strong> (Prerequisite: Psychology 1071):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2101</td>
<td>Foundations of Cognitive Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2102</td>
<td>Foundations of Evolutionary &amp; Comparative Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2103</td>
<td>Foundations of Learning &amp; Behavior Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2501</td>
<td>Foundations of Behavioral Neuroscience</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2502</td>
<td>Foundations of Cognitive Neuroscience</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2104</td>
<td>Foundations of Sensation and Perception</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one course from either the DCS or BBC area</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9</strong></td>
<td></td>
</tr>
</tbody>
</table>

Advanced Courses (3000 Level):
Choose three from any of the advanced courses (3301-3566) for which you have completed the prerequisite foundation course. These courses cover specialty areas within particular fields of psychology.

Developmental:

DSC Area - Social Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3301</td>
<td>Phases of Development: Infancy</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2301 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3304</td>
<td>Personality, Social and Emotional Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2301 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3305</td>
<td>Cognitive and Language Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2301 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3306</td>
<td>Neuroscience of Development and Aging</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2501 or 2502 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3307</td>
<td>Theories of Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2301 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Social and Organizational:

#### DSC Area - Social Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3411</td>
<td>Social Cognition</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2401 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3412</td>
<td>Psychological Studies of Social Issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2401 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3417</td>
<td>Personnel Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2402)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3418</td>
<td>Human Performance Improvement</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2402 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Clinical:

#### DSC Area - Social Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3221</td>
<td>Clinical Psychology: Research and Practice</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2201 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3222</td>
<td>Psychoanalytic Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2201 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3223</td>
<td>Child Psychopathology and Treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2201 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cognitive:

#### BBC Area - Natural Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3131</td>
<td>Problem Solving and Creative Thinking</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2101 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3132</td>
<td>Human Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2101 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Evolutionary/Comparative:

#### BBC Area - Natural Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3141</td>
<td>Neurobiology and Evolution of Social Behavior</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology: 2102 or 2501 or 2502 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Learning and Behavior Analysis:

#### BBC Area - Natural Science Fields:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3151</td>
<td>Direct Applications of Behavioral Principles</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2103 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3152</td>
<td>Experimental Psychopathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2103 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Neuropsychology:**

**BBC Area - Natural Science Fields:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3561</td>
<td>Psychopharmacology</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2501 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3566</td>
<td>Neurobiology of Learning and Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: 2502 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sensation and Perception:**

**BBC Area - Natural Science Fields:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3161</td>
<td>Research Methods in Perception</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2104 and 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3162</td>
<td>Visual Recognition</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 2104 and 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal of Advanced Courses**

<p>| <strong>Psychology Elective: one additional course at the Foundation Level or the Advanced Level.</strong> |</p>
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>elective</td>
<td>Foundation or Advanced</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal**

**Capstone Courses - One 4000-level course required:**

(Seniors only - minimum of 90 credits completed and completion of both Method Level Courses)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>4496</td>
<td>Capstone: History of Psychology</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>4596</td>
<td>Capstone: Fields of Psychology</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>4696</td>
<td>Capstone: Special Topics</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>4796</td>
<td>Capstone: Research</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>4996</td>
<td>Capstone: Honors</td>
<td></td>
<td>WI</td>
</tr>
</tbody>
</table>

**Subtotal**

**Major Total**

<p>| <strong>Individual Study Courses:</strong> (Permission of the instructor required.) |</p>
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2991</td>
<td>Honors Research Problems I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3991</td>
<td>Honors Research Problems II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>4991</td>
<td>Honors Research Problems III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>4996</td>
<td>Capstone: Honors</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>4998</td>
<td>Research Problems Honors</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Psychology</td>
<td>3991-4996</td>
<td>Independent Study In Neuroscience</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 1167, Psychology 2168 AND Psychology 2196)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3791-3891</td>
<td>Research Problems</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Prerequisite: Psychology 1071, Psychology 2168, Psychology 2196)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Psychology 3785-3787 Practicum I - II
(Prerequisite: Junior/Senior Psychology Major)

**Distinction in Major**
Completion of the Psychology Honors program.

**The Psychology Honors Program:**
Honors students take honors courses from the Psychology 3391–4996 sequence in the Junior and Senior years. Independent study is guided by a faculty sponsor whose research interests coincide with the student’s, and seminars deal with topics in research design as well as the substantive issues arising out of the student’s research. Grade requirement is a 3.5 GPA across all courses. Contact Dr. K. Hirsh-Pasek, e-mail: khirshpa@temple.edu.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>3991 – 4996</td>
<td>Honors Program</td>
<td>1-4</td>
<td>WI</td>
</tr>
</tbody>
</table>

**The Undergraduate Psychology Majors’ Association**
The Psychology Majors’ Association is an organization intended to serve as an information base concerning faculty, classes, etc., a gathering/meeting place, and a social support network of students with diverse background/interests within the Psychology field. We are located at 605 Weiss Hall and welcome the suggestion and input of all members.

**PSI-CHI - The National Honor Society in Psychology**
The minimum requirements for membership in PSI CHI are a 3.20 cumulative GPA and a 3.50 GPA in Psychology courses. Applications are available in the PSI CHI office, Room 605, Weiss Hall.

**Student Advisor/Ombudsperson**
When a grievance such as a grade dispute or personality conflict arises between an instructor and student, the student ombudsperson acts as a liaison or mediator in an attempt to resolve the problem.

The student ombudsperson for the Department of Psychology is located in 607 Weiss Hall, 215-204-1576. The student advisor can also give fellow students helpful information in their major as seen through the eyes of a student. The student advisor can provide any information concerning major requirements, core curriculum, graduate school, and academic procedures.

**Phi Beta Kappa**
See Supplemental Educational Opportunities: Academic Opportunities: Honor Societies.

**Minor in Psychology**
The Minor in Psychology introduces the student to a representative array of Psychology courses, prepares the student for the minimal course requirements for acceptance to most Psychology graduate schools, and results in formal University recognition on the student’s official transcript.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Psychology</td>
<td>1071</td>
<td>Psychology as a Natural Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>1167</td>
<td>Foundation in Statistical Methods</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>Psychology</td>
<td>2168</td>
<td>Inferential Methods in Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2196</td>
<td>Scientific Thinking in Psychology</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Foundation Courses – Select one:**
- Psychology 2301 Developmental Psychology
- Psychology 2401 Foundations of Social Psychology
- Psychology 2402 Foundations of Industrial and Organizational Psychology
- Psychology 2201 Foundations of Psychopathology
- Psychology 2101 Foundations of Cognitive Psychology

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2102</td>
<td>Foundations of Evolutionary and Comparative Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2103</td>
<td>Foundations of Learning and Behavior Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2501</td>
<td>Foundations of Behavioral Neuroscience</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2502</td>
<td>Foundations of Cognitive Neuroscience</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2104</td>
<td>Foundations of Sensation and Perception</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Department</strong></td>
<td><strong>Course #</strong></td>
<td><strong>Course Name</strong></td>
<td><strong>Hours</strong></td>
<td><strong>RCI</strong></td>
</tr>
<tr>
<td><strong>Advanced Courses</strong></td>
<td>- <strong>Select one:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3301</td>
<td>Phases of Development: Infancy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3304</td>
<td>Personality, Social, and Emotional Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3305</td>
<td>Cognitive and Language Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3306</td>
<td>Neuroscience of Development and Aging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3307</td>
<td>Theories of Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3411</td>
<td>Social Cognition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3412</td>
<td>Psychological Studies of Social Issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3417</td>
<td>Personnel Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3418</td>
<td>Human Performance Improvement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3221</td>
<td>Clinical Psychology: Research and Practice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3222</td>
<td>Psychoanalytic Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3223</td>
<td>Child Psychopathology and Treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3141</td>
<td>Neurobiology and Evolution of Social Behavior</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3151</td>
<td>Direct Applications of Behavioral Principles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3152</td>
<td>Experimental Psychopathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3561</td>
<td>Psychopharmacology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3566</td>
<td>Neurobiology of Learning and Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3161</td>
<td>Research Methods in Perceptions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3162</td>
<td>Visual Recognition</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>22</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Cognitive Neuroscience Minor**

Students in the College of Liberal Arts (including Psychology majors) as well as students in other colleges, schools, and departments (e.g., Biology, HPERD, Business, Health Professions) may choose to minor in Cognitive Neuroscience. No more than two courses can be double-counted for the Psychology major and the Cognitive Neuroscience minor.

The last decade of the twentieth century is designated as the "Decade of the Brain." Cognitive neuroscience is an emerging interdisciplinary field with a focus on a fundamental mystery of science: how the mind arises from the brain. We believe that undergraduates might find attractive the opportunity to take a group of courses that would qualify for a minor in this intellectually-fascinating and rapidly-emerging field. Some of these students may be Psychology majors, whereas others may be majoring in Biology (including pre-med), Anthropology, Philosophy, Communication Sciences, or Computer and Information Science. A minor in Cognitive Neuroscience will strengthen the academic record of students who plan to apply for graduate programs. For example, in Psychology this minor will strengthen applicants' records for specializations such as Behavioral Neuroscience, Clinical Neuropsychology, Cognitive Psychology, or Psychophysiology. Students might also go into General Neuroscience or Cognitive Science. Pre-med students with a Cognitive Neuroscience minor would present distinctive profiles to medical school admissions offices.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>2502</td>
<td>Foundations of Cognitive Neuroscience</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2101</td>
<td>Foundations of Cognitive Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Communication Sciences &amp; Disorders</td>
<td>3235</td>
<td>Human Neuroscience</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

*Select three cognitive neuroscience elective courses from the following listing:*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3352</td>
<td>Neurobiology</td>
</tr>
</tbody>
</table>
Religion

Rebecca Alpert, Chair
ralpert@temple.edu
215-204-7973

Vasiliki Limberis, Undergraduate Chair and Faculty Advisor
Anderson 631
limberis@temple.edu.
215-204-8756

Anderson Hall, Room 615
215-204-7973
www.temple.edu/religion

Religion is a pervasive, powerful, multifaceted, and enduring dimension of human experience. Religions have shaped complex cultures and countless individual lives. They are influential in the world today and will continue to be so in the future. The academic study of religion is multidisciplinary, drawing upon approaches from history, literary studies, philosophy, and the social sciences. It is multicultural, exploring the beliefs, practices, and development of particular religious communities in many different cultures.

The concentrations within the major differ only in emphasis. Religion and Public Life prepares students for careers in law, public policy, human and social services, medicine, and healthcare. Religions in a Global Context is of special value to those looking toward careers in the international area or involving religious diversity. Both concentrations are also excellent preparation for graduate work in religious studies, law, medicine, the humanities, and the social sciences.

B.A. Requirements Required of All Majors and Minors:
NOTE: INTRODUCTORY COURSES ARE 1000-1999. UPPER LEVEL COURSES ARE 2000 AND ABOVE.

Select two of these introductory courses below:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion</td>
<td>1102</td>
<td>Introduction to Asian Religions</td>
<td>6</td>
<td>IS</td>
</tr>
<tr>
<td>Religion</td>
<td>1401</td>
<td>Introduction to Western Religion</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Religion</td>
<td>1003</td>
<td>Religion in America</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>Religion</td>
<td>1101</td>
<td>Introduction to World Religions</td>
<td></td>
<td>IS</td>
</tr>
</tbody>
</table>

Additional Requirements of the Major (See concentrations below):

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion</td>
<td>4096*</td>
<td>Capstone Seminar in Religion</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Total: 20-23

© 2007, Temple University. All rights reserved.
*Restricted to Religion majors only and minors with permission of instructor. Students must have completed at least five courses in the major prior to taking the capstone prerequisite. It will be offered only in Spring Semester, so students should plan accordingly.

All Religion majors must select one of the two options for concentration.

**Transfer students:** No more than five religion courses taken at other institutions may be accepted for the major. The Director of Undergraduate Studies must determine that these meet the standards of the Religion major.

**Religion and Public Life**

**Concentration I: Religion and Public Life:** Provides opportunities to explore and examine in depth the various dimensions and issues of public life that stem from religious beliefs, behaviors, and institutional legacies. By investigating the religious dimensions of a range of challenging issues, the student gains an awareness of the dilemmas and prospects religion offers to contemporary society.

**Required:** Seven of the following courses. No more than two numbered below 2000.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion</td>
<td>1001</td>
<td>Religion and Society</td>
<td>IN</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>1002</td>
<td>Racial Justice: A Religious Mandate for Obedience &amp; Revolt</td>
<td>RS</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>1004</td>
<td>Religion and the Arts</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2701</td>
<td>Introduction to African-American Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3702</td>
<td>African Religions and New World Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3601</td>
<td>The Islamic State</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3602</td>
<td>Women in Islam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2602</td>
<td>Islam in America</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2403</td>
<td>What is Judaism?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3405</td>
<td>Judaism and Literature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2596</td>
<td>What is Christianity?</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2001</td>
<td>Women in Religion and Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3001</td>
<td>Earth Ethics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3002</td>
<td>Philosophy of Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3003</td>
<td>Religion and Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2101</td>
<td>Religions of India</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2301</td>
<td>Introduction to Zen Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2201</td>
<td>Chinese Religions – Confucius to Mao</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3201</td>
<td>YI Ching, Taoism and Zen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3301</td>
<td>Japanese Religions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3302</td>
<td>Japanese Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2102</td>
<td>Introduction to Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2701</td>
<td>Introduction to African American Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3701</td>
<td>Traditional Religions of Africa</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 24

**Religions in a Global Context**

**Concentration II: Religions in a Global Context:** Provides opportunities to explore and examine in depth a variety of religious traditions. While investigating the philosophies, practices, history, and cultural implications of those traditions, the student gains insight into religion as a cross-cultural dimension of human experience.

**Required:** Seven of the following courses. No more than two numbered below 2000.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion</td>
<td>2101</td>
<td>Religions of India</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2301</td>
<td>Introduction to Zen Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2201</td>
<td>Chinese Religions – Confucius to Mao</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3201</td>
<td>YI Ching, Taoism and Zen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3301</td>
<td>Japanese Religions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3302</td>
<td>Japanese Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2102</td>
<td>Introduction to Buddhism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>2701</td>
<td>Introduction to African American Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>3701</td>
<td>Traditional Religions of Africa</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Minor Requirements
A minor in Religion has the same objectives and offers the same kinds of opportunities for learning as the major, in a program designed for students concentrating in another academic field. It consists of:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion</td>
<td>Two of the introductory Religion courses (see major)</td>
<td>6</td>
<td>RI</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>Four Religion courses (no more than one below 2000)</td>
<td>12</td>
<td>RI</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>18</td>
<td>RI</td>
<td></td>
</tr>
</tbody>
</table>

Note: While a concentration is not required for the minor, students may choose to concentrate in "Religion and Public Life" by taking Religion 1003 and 1101 and at least three upper-level Religion courses in that concentration, or in "Religions in the Global Context" by taking Religion 1102 and 1401 and at least three upper-level Religion courses in that concentration.

Distinction in Major in Religion:
For graduation with Distinction in Major, an overall GPA of 3.25 is required with 3.5 in Religion courses.

Russian

Wilbert Roget, Department Chair
537 Anderson Hall
215-204-8266
wilbert.roget@temple.edu

Benjamin Rifkin, Faculty Advisor
1206 Anderson Hall
215-204-1816
brifkin@temple.edu

www.temple.edu/fgis/Slavic/

Russian is a major world language spoken by more than 150 million people in the Russian Federation, Ukraine, Belarus, Kazakhstan, the Baltic States, the Caucasus, and right here in Philadelphia, as well as in every other large American city. Russian is the official language of a number of countries including Russia, Ukraine, Kazakhstan, Kyrgyzstan and is used as a lingua franca throughout Central Asia. It is also one of the official working languages of the United Nations. Russian is the language of the booming Russian economy, one of the largest producers of oil, gas, coal, diamonds, gold, copper, steel, and timber. A tremendous market for U.S. goods and services, Russia is also beginning to increase its exports to the United States, especially in the energy sector. Students who study Russian can go on to enjoy exciting and fulfilling careers in international business.

Russia is also the birthplace of one of the world's most fascinating cultures. Whether you are interested in literature (think Dostoevsky and Tolstoy, Pasternak and Akhmatova), music (think Tchaikovsky and Stravinsky), theater (think Stanislavsky
and Chekhov), film (think Tarkovsky and Sokurov) or art (think Kandinsky, Malevich, and Chagall), Russian culture is a rich
and exciting tradition that has been of critical importance for the development of world culture.

Students who major, minor or earn the certificate in Russian go on to careers in business, media, government service, and
work in non-profit agencies; some choose to go to graduate or professional school before embarking on careers in law,
medicine or government service. Russian is considered a language of national strategic significance and numerous federal
agencies give preference to job candidates with Russian language expertise. Many students who major or minor in Russian
do so in combination with another academic program.

The Temple Russian program strongly encourages students to participate in study abroad through accredited programs
(see below) and is ready to help students apply for scholarships to help make that possible. Students who study Russian
at Temple find that the Russian program prepares them to do well in whatever they choose upon graduation; our program
teaches students to think, read, and write critically. The word **Russian** stands out on students’ résumés and transcripts.

The Russian major, minor and certificate are transitioning to new and exciting programs designed to meet students’ needs
to develop strong language skills for professional opportunities or personal fulfillment.

Students who begin first-year Russian and students who declare a Russian major, minor or certificate prior to the spring of
2007 will be permitted to finish the Russian major in accordance with requirements established before the proposed
program is implemented; however, these students may choose, in consultation with the Russian advisor, to follow the new
program (as listed below).

Students who begin first-year Russian in fall 2006 or later are required to complete the new Russian major, minor or
certificate program. Students who do not take first-year Russian at Temple (heritage and transfer students) but who
declare a Russian major, minor or certificate before fall 2008 are required to complete the new curriculum described below,
but will work with the Russian Section Head and advisors in the Academic Advising Center to arrange for appropriate
substitutions as necessary.

Students majoring or minoring in Russian, as well as students seeking the certificate in Russian, are strongly encouraged
to participate in study abroad in Russia. Students participating in recognized programs in Russia, such as those sponsored
by the American Council of Teachers of Russian (www.actr.org), the Council on International Educational Exchange
(www.ciee.org), or the School for Russian and Asian Studies (www.sras.org), as well as in other study abroad programs as
approved by the faculty advisor, receive credit towards the Russian major for courses taken in Russia on study abroad.
See the faculty advisor for more details, and visit the Temple University International Academic Programs office in
Tuttleman Hall (www.temple.edu/studyabroad/) for more information.

**Requirements for the Major for Students Declaring the Major in Fall 2006 or later**
(Students who completed Russian 3001 or higher in fall 2006 or spring 2007 may complete the old Russian major program
and should see Professor Maria Swiecicka-Ziemianek for details.)

Prerequisites: Placement into Russian 3001 or 3003. Heritage students of Russian, i.e., students who speak Russian in
their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement.
Students with no Russian language background take Russian 1001 (First-Year Russian I) and continue to take Russian
through fourth-semester Russian, Russian 2002. Successful completion of Russian 2002 or the equivalent is the
prerequisite for entrance into Russian 3001, a course required for the Russian major.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russian</td>
<td>1201</td>
<td>Russian Culture (taught in English)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>3001*</td>
<td>Third Year Russian I</td>
<td>3 (Fall 2007 &amp; earlier) or 4 (as of Fall 2008)</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>3002*</td>
<td>Third Year Russian II</td>
<td>3 (Fall 2007 &amp; earlier) or 4 (as of Fall 2008)</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>4097</td>
<td>Fourth Year Russian I</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Russian</td>
<td>4002</td>
<td>Fourth Year Russian II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>3201</td>
<td>Service Learning in Russian I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>Electives</td>
<td>12 credits of 4000-level Russian electives selected in consultation with the faculty advisor for Russian.**</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
**Distinction in Major**

To be considered for Distinction in Major, students must:

- Complete the requirements for the concentration in Russian with a GPA of at least 3.50 in Russian courses;
- Be recommended to the Chair of the department by the Russian faculty advisor;
- Have an overall GPA of at least 3.25.

**Minor in Russian for Students Declaring the Minor in Fall 2006 or Later**

(Students who completed Russian 3001 or higher in fall 2006 or spring 2007 may elect to complete the old Russian minor and should see Professor Maria Swiecicka-Ziemianek for details.)

**Prerequisites:** Placement into Russian 3001 or 3003. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement. Students with no Russian language background take Russian 1001 (First-Year Russian I) and continue to take Russian through fourth-semester Russian, Russian 2002. Successful completion of Russian 2002 or the equivalent is the prerequisite for entrance into Russian 3001, a course required for the Russian minor.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russian</td>
<td>1201</td>
<td>Russian Culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>3001*</td>
<td>Third Year Russian I</td>
<td>3 (Fall 2007 &amp; earlier) or 4 (as of Fall 2008)</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>3002*</td>
<td>Third Year Russian II</td>
<td>3 (Fall 2007 &amp; earlier) or 4 (as of Fall 2008)</td>
<td></td>
</tr>
<tr>
<td>Russian</td>
<td>Electives</td>
<td>Two 2000-level or above courses in Russian**</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>17-19</td>
<td></td>
</tr>
</tbody>
</table>

**Requirements for the Special Foreign Language Certificate in Russian for Students Declaring the Certificate in Fall 2006 or later**

(Students who completed Russian 3001 or higher in fall 2006 or spring 2007 may elect to complete the old Russian certificate and should see Professor Maria Swiecicka-Ziemianek for details.)

**Prerequisites:** Placement into Russian 3001 or 3003. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement. Students with no Russian language background take Russian 1001 (First-Year Russian I) and continue to take Russian through fourth-semester Russian, Russian 2002. Successful completion of Russian 2002 or the equivalent is the prerequisite for entrance into Russian 3001, a course required for the Russian certificate.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russian</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Code</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russian</td>
<td>3001*</td>
<td>Third Year Russian I</td>
<td>3</td>
</tr>
<tr>
<td>Russian</td>
<td>3002*</td>
<td>Third Year Russian II</td>
<td>3</td>
</tr>
<tr>
<td>Russian</td>
<td>4001</td>
<td>Fourth Year Russian I</td>
<td>3</td>
</tr>
<tr>
<td>Russian</td>
<td>4002</td>
<td>Fourth Year Russian II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>12-14</strong></td>
</tr>
</tbody>
</table>

*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 3003, 3004 and a 2-credit service learning course (Russian 3201) instead of Russian 3001 and 3002.

### Sociology

Julia Ericksen, Chair  
709 Gladfelter Hall  
215-204-7763  
[julia.ericksen@temple.edu](mailto:julia.ericksen@temple.edu)

Anne Shlay, Undergraduate Chair  
755 Gladfelter Hall  
215-204-7931  
[anne.shlay@temple.edu](mailto:anne.shlay@temple.edu)

Undergraduate majors can complete the general Major in Sociology or specialize in the Health Track in Sociology. The sociology department offers three programs for non-majors: a minor in sociology, a minor in the sociology of health, and a certificate in health research.

Sociology is the study of human behavior in the context of the groups, organizations, institutions, and societies in which it occurs. The sociology department offers courses covering a wide range of topics, including: contemporary social issues, race and racism, sexuality and gender, health and health care, education, urban life, organizations, family, political life, law, international development and globalization. The sociological perspective pays close attention to diversity in culture, values, and human experience.

Majoring in sociology prepares students for many careers and graduate programs by providing both a broad sociological perspective and specific research, statistical and analytic skills. Students gain experience in fieldwork; interviewing; developing, administering and analyzing surveys; statistical analysis; and writing research reports. Sociology provides an excellent background for students planning to begin their careers upon graduation as well as those planning to pursue graduate education. Recent graduates have gone to work and graduate school in the areas of law, medicine, business, non-profits, community planning, social work, market research, and education.

Students who are interested in a career in the health field can pursue a special sociology major focused on health-related course work. The Health Track in Sociology prepares students for graduate studies in leading medical, dental, nursing, public health, and physical and occupational therapy programs as well as graduate programs in sociology and related fields. While acquiring the analytic and research skills of the general sociology major, those in the health track have opportunities to participate in specially-designed health internships while studying important issues surrounding health and health care.

**Student Organizations**

Sociology majors are invited to participate in the Sociology Undergraduate Majors and Minors Association (SUMMA), which hosts academic and social events throughout the year. The department sponsors the Annual Student Research Conference in which students can present their work.
**Awards**

Awards available to sociology majors include the Othella Vaughn Award, Robert K. Merton Award, and the Sociology Prize.

**Distinction in the Major**

To receive Distinction in the Major, a student must have a minimum grade point average of 3.5 in all sociology courses and a minimum overall grade point average of 3.25.

**Requirements for the Major**

The major requires a minimum of eleven sociology courses, including a sequence of research methods courses, a sociological theory course, the writing capstone and six electives at various levels.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>elective</td>
<td>One course numbered under 3000 (except for 1167)**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3201</td>
<td>Statistical Methods in Sociology***</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Sociology</td>
<td>3261</td>
<td>Research Design &amp; Methods***</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3241</td>
<td>Development of Sociological Thought</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>4096</td>
<td>Senior Seminar: Sociology in the Real World</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Sociology</td>
<td>elective</td>
<td>One course at any level</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>elective</td>
<td>One course at the 2000 level or above</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>electives</td>
<td>Three courses at the 3000 level or above</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>electives</td>
<td>Two cognate courses at the 2000+ level selected from the following: African American Studies, Anthropology, American Studies, Asian Studies, Criminal Justice, Economics, Environmental Studies, Geography &amp; Urban Studies, History, Jewish Studies, Latin American Studies, Organizational Studies, Political Science, Psychology, Women's Studies</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Select one **Advanced Methods** course:

<table>
<thead>
<tr>
<th>Sociology</th>
<th>4001</th>
<th>Qualitative Research^</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>4002</td>
<td>Data Analysis^</td>
</tr>
</tbody>
</table>

Total 42

*Indicates writing capstone for major
**Prerequisite for courses numbered 3000+
***Students must take 3201 prior to or concurrently with 3261
^Students must complete 3201 & 3261 before taking either of the advanced methods courses, 4001 or 4002

**Requirements for the Health Track in Sociology**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>elective</td>
<td>One course numbered under 3000 (except for 1167)**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3201</td>
<td>Statistical Methods in Sociology***</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Sociology</td>
<td>3261</td>
<td>Research Design &amp; Methods***</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3241</td>
<td>Development of Sociological Thought</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>4096</td>
<td>Senior Seminar: Sociology in the Real World^</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>One course at any level^</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>One course at the 2000 level or above</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>Three courses at the 3000 level or above</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Health-related courses** - Select two of the following health-related electives to fulfill the above requirement:

<table>
<thead>
<tr>
<th>Sociology</th>
<th>2522</th>
<th>Sociology of Self</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>2530</td>
<td>Selected Topics in Medical Sociology</td>
</tr>
<tr>
<td>Sociology</td>
<td>2552</td>
<td>Health &amp; Disease in American Society</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>elective</td>
<td>One course under the 3000 level except Sociology 1167</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>One course at any level</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>One course at the 2000 level or above</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>Three courses at the 3000 level or above</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td><strong>Minor Total</strong></td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

**Requirements for the Minor in Sociology**
The minor in sociology requires a minimum of six courses, including courses on diversity and health. This program is not open to students majoring in sociology or the Health Track in Sociology.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>1376/1396</td>
<td>The Sociology of Race and Racism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>1476/1496</td>
<td>American Ethnicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>1676/1696</td>
<td>Men &amp; Women in American Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2128</td>
<td>Men &amp; Masculinity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2179/3279</td>
<td>Racial &amp; Ethnic Stratification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3258</td>
<td>Women &amp; Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3242</td>
<td>Constructing Race &amp; Ethnicity</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Health-related courses - Select three:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>2522</td>
<td>Sociology of Self</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2530</td>
<td>Selected Topics in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2552</td>
<td>Health &amp; Disease in American Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2553</td>
<td>Sociology of Aging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2572</td>
<td>Human Sexuality</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3597</td>
<td>Introduction to Population Studies: Demography</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Sociology</td>
<td>3546</td>
<td>Sexuality &amp; Gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3596</td>
<td>Sociology of Organizations</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Sociology</td>
<td>3559</td>
<td>Health &amp; Reproduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3511</td>
<td>Sociology of the Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3582</td>
<td>Independent Study in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3585</td>
<td>Internship in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3530</td>
<td>Selected Topics in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td>One course at 2000 level or above</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Minor Total**  
18-19

### Requirements for the Certificate in Health Research

The certificate in health research requires five courses, including a health-related sequence and research methods. This program is not open to Sociology majors or Health Track in Sociology majors.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>2552</td>
<td>Health &amp; Disease in American Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3201</td>
<td>Statistical Methods in Sociology*</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Sociology</td>
<td>3261</td>
<td>Research Design &amp; Methods*</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following list:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>4001</td>
<td>Qualitative Research*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>4002</td>
<td>Data Analysis*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3585</td>
<td>Internship in Medical Sociology*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Health-related courses - Select one:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>2522</td>
<td>Sociology of Self</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2530</td>
<td>Selected Topics in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3511</td>
<td>Sociology of the Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3521</td>
<td>International Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2553</td>
<td>Sociology of Aging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>2572</td>
<td>Human Sexuality</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3597</td>
<td>Introduction to Population Studies: Demography</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Sociology</td>
<td>3546</td>
<td>Sexuality &amp; Gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3596</td>
<td>Sociology of Organizations</td>
<td></td>
<td>WI</td>
</tr>
<tr>
<td>Sociology</td>
<td>3559</td>
<td>Health &amp; Reproduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3530</td>
<td>Selected Topics in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3582</td>
<td>Independent Study in Medical Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3585</td>
<td>Internship in Medical Sociology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Certificate Total**  
18-19

*Students must take 3201 prior to or concurrently with 3261.

**Students must complete 3201 & 3261 before taking either of the advanced methods courses, 4001 or 4002.

Certificate students may substitute 3585 for the advanced methods courses, but must still have completed 3201 & 3261 before taking 3585. In order to fulfill the methods requirement, the internship must have a health research focus.
The Department of Spanish and Portuguese provides instruction in the Spanish and Portuguese languages as well as the cultures, literatures, and linguistics of these languages.

Coursework in Spanish or Portuguese develops proficiency in the four basic skills: speaking, listening, reading, and writing. The department also provides specialized instruction in Business Spanish, Medical Spanish, Spanish for Legal Services, and Spanish Translation Skills. Opportunities are available for the advanced undergraduate study of the literature and linguistics of Spanish and Portuguese as well as in-depth study of Hispanic and Luso-Brazilian culture through film and art.

Students may participate in special programs, including an intensive immersion program in Spanish and Latin American Studies; Service Learning and Internships in areas of business, social service, and education in Philadelphia; and summer programs in Spain, Mexico, and Brazil.

Temple's new computer language center, also known as the Special Learning Environment for the Foreign Languages, is available to students of all proficiency levels.

Active Spanish and Portuguese student associations thrive in the department. Each spring, outstanding students are recognized in the initiation ceremony for Sigma Delta Pi, the National Hispanic Honor Society.

Graduates of the Department of Spanish and Portuguese find careers in a wide range of areas, including education, business, government and social service, and travel and tourism.

**Requirements for the Major (Minor, Certificate, Concentration)**

Students selecting the Spanish major must achieve competence in Spanish language skills in conjunction with qualifications outlined in Major Options I, II, or III listed below. Spanish 3096 (the capstone course) is a requirement of all majors and a prerequisite for all 4000-level courses. Spanish 2096 (Composition and Conversation), or permission of instructor, is a prerequisite for most upper level courses.

**Major Option I: (Language, Literature and/or Linguistics)**

This option is designed for students who wish to develop advanced language skills in the study of (1) Latin American Literature, (2) Peninsular Literature, and/or (3) Linguistics. A total of ten courses is required.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>1003</td>
<td>Intermediate I</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Spanish</td>
<td>2000+</td>
<td>A maximum of two electives may be selected at the 2000 level.</td>
<td>0-6</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2096</td>
<td>Composition &amp; Conversation</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Major Option II: Language and Professional Studies

This option is designed for students who wish to develop language and professional skills as well as an awareness of Hispanic culture. A total of ten courses is required.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>1003</td>
<td>Intermediate I</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Spanish</td>
<td>2096</td>
<td>Composition &amp; Conversation (or elective)**</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Spanish</td>
<td>2000+</td>
<td>A maximum of two courses may be selected at the 2000 level.</td>
<td>0-6</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>3000-4000 level</td>
<td>Three Business/Medical/Legal/Translation courses</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>3096</td>
<td>Advanced Writing Skills</td>
<td>3</td>
<td>WI*</td>
</tr>
</tbody>
</table>

Select one Literature course from:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>3121</td>
<td>Introduction to Spanish Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>3141</td>
<td>Introduction to Spanish American Literature</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select at least two Advanced Spanish courses: 6+

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>4000+</td>
<td>Minimum of two courses required at the 4000 level.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total 30

* Indicates writing capstone for the major.

** The level of required and elective courses may vary according to proficiency.

Note: Up to two Portuguese courses may be taken in place of two Spanish 2000/3000 level courses.

Major Option III: Spanish for Education

This option includes the Spanish-language courses required for certification in Spanish for Secondary Education in the School of Education at Temple and satisfies the requirements for the Spanish major in the College of Liberal Arts. A total of ten courses is required.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>2001</td>
<td>Conversational Review</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2096</td>
<td>Composition &amp; Conversation</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2002</td>
<td>Hispanic Readings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>3003</td>
<td>Advanced Grammar &amp; Linguistics Concepts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>1076</td>
<td>Intensive Practice in the Four Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2076</td>
<td>Advanced Intensive Practice in the Four Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Spanish</td>
<td>2011</td>
<td>Advanced Skills for Spanish Speakers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>3002</td>
<td>Hispanic Readings II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**One Culture & Civilization course:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>3222</td>
<td>Contemporary Spain Through Film</td>
</tr>
<tr>
<td>Spanish</td>
<td>3241</td>
<td>Spanish American Culture &amp; Civilization</td>
</tr>
<tr>
<td>Spanish</td>
<td>3261</td>
<td>Hispanic Mind</td>
</tr>
<tr>
<td>Spanish</td>
<td>3221</td>
<td>Spanish Culture &amp; Civilization</td>
</tr>
<tr>
<td>Spanish</td>
<td>3204</td>
<td>Latin America Through Film</td>
</tr>
</tbody>
</table>

**One Linguistics course:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>4301</td>
<td>Spanish Phonetics</td>
</tr>
<tr>
<td>Spanish</td>
<td>4302</td>
<td>Introduction to Spanish Linguistics</td>
</tr>
<tr>
<td>Spanish</td>
<td>4303</td>
<td>Spanish/English Contrasts</td>
</tr>
<tr>
<td>Spanish</td>
<td>4304</td>
<td>Spanish Applied Linguistics</td>
</tr>
<tr>
<td>Spanish</td>
<td>4305</td>
<td>History of Spanish Language</td>
</tr>
<tr>
<td>Spanish</td>
<td>4306</td>
<td>Spanish Sociolinguistics</td>
</tr>
</tbody>
</table>

**One Contemporary Literature course:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>4147</td>
<td>20th Century Puerto Rican Authors</td>
</tr>
<tr>
<td>Spanish</td>
<td>4142</td>
<td>Spanish-American Short Story</td>
</tr>
<tr>
<td>Spanish</td>
<td>4146</td>
<td>Nationalist Literature of Spanish-Americans</td>
</tr>
<tr>
<td>Spanish</td>
<td>4144</td>
<td>Latin American Poetry</td>
</tr>
<tr>
<td>Spanish</td>
<td>4148</td>
<td>Latin American Literature of Social Conflict</td>
</tr>
<tr>
<td>Spanish</td>
<td>4132</td>
<td>Contemporary Spanish Novel</td>
</tr>
</tbody>
</table>

**One additional Literature course:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>3141</td>
<td>Intro to Spanish American Literature</td>
</tr>
<tr>
<td>Spanish</td>
<td>3121</td>
<td>Intro to Spanish Literature</td>
</tr>
<tr>
<td>Spanish</td>
<td>4401</td>
<td>The Art of Translation</td>
</tr>
<tr>
<td>Spanish</td>
<td>4121</td>
<td>Survey of Spanish Literature II</td>
</tr>
<tr>
<td>Spanish</td>
<td>4126</td>
<td>Cervantes: Don Quixote</td>
</tr>
<tr>
<td>Spanish</td>
<td>4161</td>
<td>Hispanic Literature through Art or one additional contemporary literature course from the above list</td>
</tr>
</tbody>
</table>

Spanish Three electives (Spanish 1003 may be taken as one of these) 9

Spanish 3096 Advanced Writing Skills 3 WI*

**Total** 30

* Indicates capstone for the major

Note: In order to complete the ten-course requirement, students must add additional courses at the 3000 or 4000 levels, depending on proficiency.

Note: Spanish 2096 is a prerequisite for many Spanish courses at the advanced levels.

**Distinction in Major**

Distinction in Spanish is awarded to majors who graduate with a 3.75 in their Spanish courses and an overall GPA of at least 3.25.

**Minor in Spanish**

A total of six courses is required.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>1003</td>
<td>Intermediate I (or equivalent) prerequisite</td>
<td>0-3</td>
<td>LB</td>
</tr>
<tr>
<td>Spanish</td>
<td>2000+</td>
<td>A maximum of three courses at the 2000 level</td>
<td>0-9</td>
<td></td>
</tr>
</tbody>
</table>
Spanish 3000+  A minimum of three courses. All literature and linguistics courses at the 3000 level may be used. 0-18
Spanish 4000+  All literature and linguistics courses may be used to satisfy the minor* 0-18
Total 18

*Depending on the level of proficiency.

Minor in Portuguese

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portuguese</td>
<td>1001</td>
<td>Elements of Portuguese I*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Portuguese</td>
<td>1002</td>
<td>Elements of Portuguese II*</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Portuguese</td>
<td>3000/4000 level</td>
<td>Select courses from the 3000 and 4000 level, with a minimum of two 4000-level courses</td>
<td>6-12</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

* Students may substitute intermediate or advanced level courses for the beginning 1001 and 1002.

Certificate of Specialization in Multilingual Business and Government Studies

The department offers a 54-hour program leading to a B.A. degree with an additional specialization in Multilingual Business and Government Studies. The program is designed for students who plan careers as interpreters and translators, employment in government agencies, or a career in business with firms that have import/export activities in Latin America. It consists of courses in the Spanish language, Business Spanish, Translation Skills, Business Administration and Economics, Political Science, and Latin American Studies.

The program is open to all students; applicants need not be Spanish majors, and no background in business subjects is required. While these courses are normally taken within the 123 hours required for the B.A. degree in the College of Liberal Arts, the program is open to students in all colleges of the university. Students from most colleges who have the proper background can usually complete the program with careful schedule planning and use of electives.

A maximum of 20 hours of transfer equivalency will be accepted. Students interested in the program should contact the Director of the Multilingual Business and Government Studies Program in the Spanish and Portuguese Department, Fourth Floor, Anderson Hall (215-204-1706).

Certificate of Specialization in Spanish

A Certificate of Specialization in Spanish is also available. The certificate requires completion of six courses, beginning with Basic Spanish and advancing to more specialized study of Spanish designed to enhance career opportunities in business, communication, government, and social service. See your advisor, or contact the department for more information.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish</td>
<td>1001</td>
<td>Basic I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Spanish</td>
<td>1002</td>
<td>Basic II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>Spanish</td>
<td>1003</td>
<td>Intermediate Spanish</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td>Spanish</td>
<td>2001</td>
<td>Conversational Review</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2096</td>
<td>Composition &amp; Conversation</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Spanish</td>
<td>3000+</td>
<td>Select one 3000-level course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Certificate of Specialization in Spanish and Latin American Studies for Business

This interdisciplinary certificate is designed to allow Temple students in business-related programs to develop skills and knowledge in two complementary areas so that they may compete more successfully in this growing job market.

Course Requirements for the Business Certificate:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three of the following courses:</td>
<td></td>
<td></td>
<td>9-11</td>
<td></td>
</tr>
</tbody>
</table>
Spanish 1001 Basic I LA  
Spanish 1002 Basic II LA  
Spanish 1003 Intermediate I LB  
Spanish 2001 Conversational Review  
Spanish 2096 Composition & Conversation WI  
Spanish 2002 Hispanic Readings  
Spanish 3002 Hispanic Readings II  
Spanish 1076/2076 Intensive Practice/Advanced Intensive Practice in the Four Skills  

Note: Students participating in Spanish 1076 must also complete Spanish 2003.

Select one course in **Spanish for Business Professions:** 3  
Spanish 3501 Spanish for Business Professions  
Spanish 3502 Business Spanish I  
Spanish 3503 Business Spanish II  
Spanish 3504 Business Translation & Interpretation  

LAS 1001 Perspectives on Latin America or Completion of Latin American Studies Semester 3 IS

Select one course in **Business:** 3  
IBA 2502 Fundamentals of Latin American Business  
LAS 2502 Fundamentals of Latin American Business  

**Total 18-20**

* Spanish 1076 and 2076 count as two courses; each is 9 s.h., taught in connection with Latin American Studies Semester (LASS), an immersion program offered every spring.

** LASS is an integration of several courses totaling 15 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 2101. All instruction in LASS is in Spanish.

**Certificate of Specialization in Spanish and Latino Studies for the Health and Human Services Professions**

The combination of courses in this certificate program is designed to make participants especially qualified to provide health and human services to members of the Latino community.

**Course Requirements for the Health and Human Services Certificate:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select three of the following courses:</strong></td>
<td></td>
<td></td>
<td>9-11</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>1001</td>
<td>Basic I</td>
<td>LA</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>1002</td>
<td>Basic II</td>
<td>LA</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>1003</td>
<td>Intermediate I</td>
<td>LB</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2001</td>
<td>Conversational Review</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2096</td>
<td>Composition and Conversation</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2002</td>
<td>Hispanic Readings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>1076/2076</td>
<td>Intensive Practice (LASS)*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>2011</td>
<td>Advanced Skills for Spanish Speakers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| <strong>Two courses in Latin American Studies:</strong> | 6 |
| Latin American Studies | 1001 | Perspectives on Latin America and IS |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2101</td>
<td>Latin America Through Film &amp; Fiction**</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin American Studies 2020</td>
<td>Topics in Latino Studies or Puerto Ricans in Philadelphia</td>
</tr>
<tr>
<td>2072</td>
<td></td>
</tr>
</tbody>
</table>

Total 18-20

*Spanish 1076 and 2076 count as two courses; each is 9 s.h. and taught in connection with Latin American Studies Semester (LASS), an immersion program offered every spring.

**LASS is an integration of several courses totaling 15 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 2101. All instruction in LASS is in Spanish.

**Latin American Studies Semester Certificate and Program**

Each Spring Semester, the Spanish and Portuguese Department, in conjunction with the Latin American Studies Center, offers a 15-subject-hour immersion program in Latin American Studies and Spanish. The Program (LASS) combines 9 hours of intensive Spanish with 6 hours of study focusing on geography, history, and culture in Latin America, and includes a two-week trip to Mexico. Successful completion of the Program is awarded with a certificate of participation. Applications for LASS are received during October and November for the following spring. For information contact the Director of Latin American Studies (215-204-7527) or the Chair of Spanish and Portuguese (215-204-8285).

**Summer in Spain Program (New in 2008)**

The Temple Semester in Spain Program takes place over the spring semester in Oviedo, Spain. The 15-credit program combines coursework with faculty from the International Program at the University of Oviedo and a Temple faculty member, who directs the program. All courses are pre-approved for Temple University credit. Courses focus on aspects of Spanish language, Spanish culture, and Spanish literature. The program develops Spanish skills over a semester of intensive study in a Spanish-speaking environment; it also provides the opportunity to complete a number of Spanish courses that may be used to satisfy the requirements for the Temple Minor or Major in Spanish. It includes an initial orientation week in Madrid. In Oviedo, lodging and meals are with Spanish families. For information, contact the Office of International Programs or Dr. Jaime Duran (jduran@temple.edu), the Program Director, in the Department of Spanish and Portuguese.

**Summer Abroad in Spain: Spanish Language and Culture**

Temple University's summer program in Oviedo, Spain, provides students with the opportunity to learn the Spanish language while being immersed in that country's unique and diverse culture. The duration of the program is five weeks; students may enroll for a total of 6 credits. For further information, contact the Department of Spanish and Portuguese or the Office of International Programs.

**Summer Abroad in Brazil: Portuguese Language and Brazilian Culture**

Temple University offers a six-week summer program in Salvador, Bahia, Brazil; students may enroll for a total of 6 credits. The program offers Portuguese language studied both at the elementary and more advanced levels. It also offers an intensive examination of culture in the state of Bahia; this aspect of the program focuses on history, politics, music, and dance, and it spotlights African origins and Afro-Brazilian influences on regional culture. For further information, contact the Department of Spanish and Portuguese or the Office of International Programs.

**Junior Year and/or Summer School Abroad**

Students declaring a concentration in the department may, under certain conditions, spend their junior year studying abroad. Application for permission to study abroad may be made during the second semester of the sophomore year. Only well-qualified students may be granted credit from Temple University after submitting proper credentials for established foreign study programs at institutions approved by the department. Students interested in a junior year abroad, or a summer school abroad, should discuss their plans early with their faculty advisor and the chair of the department.

**Service Learning and Internships**

Students of Spanish and Portuguese may participate in courses providing service learning opportunities through project SHINE (Students Helping in the Naturalization of Elders) as a part of their coursework. For students of Business Spanish,
service learning opportunities are available through the Small Business Development Center at Temple. Spanish majors are encouraged to participate in a Spanish internship combining study and work opportunities in a variety of contexts in the Philadelphia area.

**Women's Studies**

Patricia Melzer, Director and Advising Coordinator  
816 Anderson Hall  
215-204-6953  
pmelzer@temple.edu

811 Anderson Hall  
215-204-6954  
www.temple.edu/womenstu

Women's Studies offers a cohesive framework of inquiry for the examination of women, gender, and sexuality in the U.S. and around the world, as they relate to other social categories, such as race, class, disability, nationality, and ethnicity. As an interdisciplinary field, Women's Studies takes into account social, historical, and cultural variables in its study of women's material and cultural experiences as a social group; the examination of the workings of gender as an analytical category, identity, and social force; and the social, political, and cultural functioning of sexuality. Women's Studies also seeks to transform traditional fields of study by incorporating new methodologies, data, theories, and frameworks developed by feminist scholars.

Temple University's Women's Studies Program is part of the College of Liberal Arts. It offers an undergraduate major and minor, as well as a certificate for students outside the College of Liberal Arts. In preparation for graduate school, Women's Studies majors have the opportunity to graduate with distinction in the major after completing an honors thesis.

The Women's Studies Program offers students the opportunity to study women, gender, and sexuality through an interdisciplinary curriculum taught by faculty from various departments across the university. Students learn to apply the methods and theories of social scientists, historians, philosophers, literary critics, etc., to the study of women's experiences, as well as gender and sexual identities. They explore a growing body of feminist theories that revise our understanding of gender, society, and culture. We encourage students not only to understand intellectually the importance of class, race, sexuality, physical ability, and gender to people's lives but also to learn actively through fieldwork (community internship). After graduation, Women's Studies students enter professional schools in law, medicine and business; take graduate degrees in women's studies, the humanities and social sciences; and pursue careers in health, counseling, teaching, and public advocacy.

**Major Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women's Studies</td>
<td>1096</td>
<td>Introduction to Women's Studies</td>
<td>3-9</td>
<td>IN/WI</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>1708</td>
<td>Gender &amp; History</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>1101/1197</td>
<td>American Women's Lives (1197 also WI)</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>1201</td>
<td>International Women's Writing</td>
<td></td>
<td>IS</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>1676/1696</td>
<td>Men &amp; Women in American Society (1696 also WI)</td>
<td></td>
<td>AC</td>
</tr>
<tr>
<td></td>
<td>1301</td>
<td>Essential Issues in Women's Studies</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Six to eight upper level electives (over 2000)  

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1096</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1708</td>
<td>Gender &amp; History</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1101/1197</td>
<td>American Women's Lives (1197 also WI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1201</td>
<td>International Women's Writing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1676/1696</td>
<td>Men &amp; Women in American Society (1696 also WI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1301</td>
<td>Essential Issues in Women's Studies</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Majors will also be permitted to take two of these six to eight courses outside Women's Studies (courses that are not cross listed) with the written permission of the advising coordinator. These courses must support the student's academic or professional growth in conjunction with the major (e.g. a research methods course in another discipline for which the student will write on a subject related to gender or courses taken in a study abroad program). Majors must take two designated upper-level courses designed for students to learn how to write a research paper.

The final requirement for the major is a two-course sequence. This sequence should be taken during the major's last three semesters of enrollment. Students will select a field assignment with the assistance of the advising coordinator.

© 2007, Temple University. All rights reserved.
Women’s Studies 4386 Field Work in Women’s Studies 3
Women’s Studies 4396 Research Seminar* (Capstone Course) 3 WI

Total 36

**Distinction in Major**
Women’s Studies students may graduate with a distinction in the major if they have a GPA of 3.5 or better in the major, a cumulative GPA of 3.0 or better, and successfully complete an honors thesis (minimum 3 credits) under the supervision of a faculty member from Women’s Studies.

**Minor Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women’s Studies</td>
<td>Electives</td>
<td>Six electives in Women’s Studies. At least three of these six are at the upper level (above 2000). See major requirements for examples.</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>1301</td>
<td>Essential Issues in Women’s Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>21</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Certificate in Women’s Studies**
Designed for students outside the College of Liberal Arts who want to pursue a Women’s Studies oriented career.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women’s Studies</td>
<td>1096</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>4389</td>
<td>Field Work in Women's Studies</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>Two</td>
<td>Electives</td>
<td>6</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**BOYER COLLEGE OF MUSIC & DANCE**

Founded 1962

Dr. Robert T. Stroker, Dean
2001 N. 13th Street
Philadelphia, PA 19122
215-204-8301
music@temple.edu
www.temple.edu/boyer

**Mission**
The Boyer College of Music and Dance is committed to nurturing and advancing music as a form of human expression, as an art, and as a subject for intellectual inquiry. Recognizing that music possesses unique powers -- to move the spirit, to excite the mind, to reveal the past, to chart the future, to instruct, to heal, and to foster communication -- the College seeks to perpetuate music in its myriad forms through creative and scholarly work, teaching, and service, according to the highest artistic and academic standards.

As an integral part of Temple University, the Boyer College shares the ideals of Russell Conwell upon which Temple was founded: to recognize talent and personal potential wherever they may be found; to provide educational opportunities for meritorious students of limited financial means; and to serve as a constructive presence in the wider Philadelphia community.

© 2007, Temple University. All rights reserved.
In carrying out its mission, the Boyer College seeks both to continue the long tradition of artistry and scholarship that we have inherited and to develop new insights, perspectives, and practices. This dual objective -- to explore both past and future, old and new -- should be broadly reflected in the life of the College: in curricula and instruction; institutional policy; professional activities of faculty; advisement of students; and musical performances.

For the art of music to remain vital, our culture must develop both highly-trained, professional musicians and informed, perceptive listeners. Accordingly, the College recognizes its responsibility to administer professional education to the student seeking a career in music, provide opportunities for the general University student to study and experience music, and share its musical life with the public.

The Boyer College provides a distinctive union of the best conservatory-type training with intense academically-oriented classroom teaching. Coupled with the performance opportunities of the University and the culturally-rich Philadelphia area, the Boyer College offers students the competitive edge in complete, comprehensive musical preparation. Many programs throughout the University offer minors. Students who wish to pursue a minor outside of music should contact the appropriate department.

Accreditation


Music Admission

The following requirements for admission to the College are to be considered minimal. Applicants who pass the following examinations may be recommended to the Director of Admissions as eligible for admission to the College. In addition, candidates must meet general requirements set by the Office of Undergraduate Admissions.

- An audition in the major performing medium and a series of tests must be completed before an applicant can be accepted into the Boyer College of Music and Dance.

- After submitting the completed application, the applicant is responsible for scheduling his/her audition and the theory test date that is most convenient. Call 215-204-6810 or e-mail music@temple.edu to schedule your audition.

- Entrance examinations are given in the Boyer College, Presser Hall, which is located on the northeast corner of 13th and Norris Streets. The examinations are given to all entering freshmen and transfer students planning to pursue any of the various music curricula at Temple University. The primary objective of the tests is to determine potential and achievement in music. Students will be tested on fundamentals (scales, key signatures, intervals, triads, etc.) and ability to read and notate music; these exams are used primarily for placement but are sometimes considered in the admission process.

- The freshman and transfer application deadline is March 1. Applicants for admission to the spring semester must take the tests in December, and applications must be received no later than November 1. Call 215-204-6810, e-mail music@temple.edu or visit the Boyer website for specific audition dates.

- If the applicant is unable to be present because of distance, a national or a taped audition may be acceptable. National auditions are scheduled in several U.S. cities. Please refer to the Boyer College website for specific cities and dates. Please clearly mark the tapes with your name, instrument, contact information, degree program, and repertoire. Students must have an application on file before audition tapes are reviewed. Tapes should be sent to:

  Mr. James Short, Director of Music Admissions
  Temple University, Boyer College of Music and Dance
  Presser Hall
  2001 N. 13th Street
  Philadelphia, PA 19122

- Prospective composition majors should submit several representative scores at the time of their audition.

- Prospective theory majors should arrange for an interview with the Chair of the Theory Department.
Transfer Credits
In addition to the University's statement regarding transfer credit (see Undergraduate Admissions), the Boyer College of Music and Dance will, during New Student Orientation, determine all transferred music credits through placement exams. Where deemed necessary, students may be tested in music theory, music history, and secondary piano. Tests in other music areas may be arranged through individual departments.

Financial Aid
Financial aid is available to full-time undergraduates in the form of music grants, academic scholarships, loans, grants, music grants-in-aid, and work-study programs. Also see Financial Aid in this Bulletin.

Financial aid awards are made after the student has been admitted as a fully-matriculated student. Students are to be enrolled full-time, unless prior permission is granted to do otherwise by the Associate Dean.

Music Grants are awarded based on merit. No separate application is required. The Boyer College has application and audition deadlines for priority music scholarship consideration. Contact the Boyer College at 215-204-6810, or consult the Boyer College website for current deadlines.

Music scholarships and awards for currently enrolled and graduating undergraduate and graduate students include, but are not limited, to the following:

- Esther Boyer Music Endowment Fund
- Esther B. Griswold Voice Scholarship
- Peter Vennett Piano Scholarship
- Garrigues Foundation
- Presser Foundation Scholarship
- Dr. Arthur Bennett Lipkin Memorial String Scholarship
- Dr. Millard Gladfelter Tribute Scholarship
- Dr. David Stone Tribute Scholarship Award
- Irving Berlin Scholarships
- Else Fink Voice Scholarship
- Howard Chivian Memorial Award
- E. M. Yarnell Scholarship
- Elizabeth K. Frescolin Award
- Jeffrey Yagoda Memorial Award
- Dr. John Henry Heller, Jr. Memorial Award
- Dr. Milton J. Sutter, Jr. Memorial Award
- Elizabeth Smith String Scholarship
- Arronson Student Aid Fund
- Ruth Lafferty Award
- J. Earl Ness Scholarship
- Clifford Taylor Scholarship
- Florence Berggren Voice Grant
- David M. Katz Scholarship
- Bruce Archibald Scholarship
- Dr. Elaine Brown Tribute Award
- Max Aronoff Prize
- J.H. and E.L.M. Beach Book Award
- Dr. B. Stimson Carrow Award
- Emily and Arthur Crosby Award
- Douty Scholarship
- Roscoe Gill Scholarship
- Jacobs Music Company Steinway Award
- Williams and Carmen Middleberg Scholarship
- Jack Moore Memorial Percussion Scholarship
- Helen Laird Tribute Award
- Klara Meyers Tribute Award
- Schnader Memorial Award
- Esther M. Schultz Award
- William Singer Memorial Award
- Albert Tashjian Prize
- Alice Tully Scholarship
- Gerald Wingenroth Scholarship
Music Programs
For the 2007-2008 academic year, the Department of Music Studies will pilot the following courses, which will affect all students in every Boyer College music degree program:

Music Theory
Music Studies 1711. Theory I (4 s.h.)
Music Studies 1712. Theory II (4 s.h.)
Music Studies 2711. Theory III (4 s.h.)
Music Studies 2712. Theory IV (4 s.h.)

Music History
Music Studies 2703. Music in History (3 s.h.)
Music Studies 2704. Music in History (3 s.h.)
Music Studies 3696. Music in History (3 s.h.)
Music Studies 3796. Music in History (3 s.h.)

Special Programs:

Music Technology Component
In addition to course work leading to bachelor's degrees in Music, the Boyer College of Music and Dance offers a 36-credit component in Music Technology to qualified music majors. This component, which is distributed over a student's freshman through senior years, normally results in a five-year program.

The music technology component provides a structured sequence of courses for those students who desire to use new technologies to enhance their skills as performers, composers, teachers, and scholars. Courses focus on the creative, performance, and pedagogical aspects of music technology. See Music Technology Component under Programs and Music Education.

Music Preparatory Division and Community Music Program of the Boyer College of Music and Dance
Mark Huxsoll, Director
[www.temple.edu/boyer/musicprep/index.htm](http://www.temple.edu/boyer/musicprep/index.htm)
215-204-1512

Temple Music Prep provides lifelong, non-credit learning opportunities in music and dance to the Greater Philadelphia community. As a division of Temple University's Boyer College of Music and Dance, Music Prep is uniquely able to combine university expertise with Philadelphia's outstanding cultural assets, assuring excellence in experience and results.

Programming includes Early Childhood Music Foundations beginning with newborns, Movement and Dance Classes for children through teens, individual instruction in all instruments and voice, and classes specially designed for adults. Music Prep is also an authorized provider of Act 48 credits for Pennsylvania educators.

A major component is the Center for Gifted Young Musicians, which serves those students with exceptional ability and motivation. The Community Music Scholars Program serves students with need from over fifty public schools, allowing access to affordable quality instruction.

Temple Music Prep is a member of the National Guild of Community Schools of the Arts and the Greater Philadelphia Cultural Alliance.

Key Program Components:
• **Individual lessons** from an outstanding faculty in orchestral instruments, piano, guitar, voice, composition and jazz techniques are offered for children and adults.

  **Suzuki instruction** in violin, flute and piano is also offered for young children. In the “talent education method” of Dr. Shinichi Suzuki, children learn to play music with the same enjoyment and fluency with which they learn language.

• **Early Childhood Music Foundations** is an innovative program in early childhood music education that has a national reputation for excellence. In a carefully planned sequence of music learning, the program uses the natural human inclination for chanting, singing and movement as the first steps in the musical understanding of melody and rhythm.

• **Movement and Dance** classes take children through a sequential, age-specific dance program. Offerings include: Creative Movement (3 & 4 yrs.), Music and Movement (5 through 7 yrs.), Modern Dance (8 yrs. through teens in three levels) and Ballet Technique (pre-teens & teens).

• **Basic Musicianship** classes are offered in three progressive levels. The goal of these classes is to develop musicianship by integrating aural, written, vocal, and tactile skills. By using movable "Do" solfege, students learn to make the connection between musical notation and sound. Level three is also offered as an advanced standing music theory course, earning a high school senior college credit at the Boyer College of Music and Dance.

• **Adult classes** are designed to provide opportunities for personal growth and professional development. Offerings include: classes in learning to play piano, learning to sing or in Suzuki piano teacher training; lectures to prepare music listeners for their next concert or opera; workshops in instrument repair; as well as individual study in instruments and voice. Pennsylvania educators are eligible to receive Act 48 credit for most of these offerings.

• **The Music Therapy Clinic** is a collaborative program between Temple Music Preparatory and the Music Therapy Program of Temple University's Boyer College of Music and Dance. It is a place where the therapeutic potentials of music therapy are made available to children, adolescents and adults with varying types of special needs.

• **The Center for Gifted Young Musicians** is the component of Music Prep that focuses on the training of exceptionally-gifted students who have the ability and willingness to make a serious commitment to music. By audition only.

  **Instrumental Division** (for strings)
  The Center's instrumental program provides a comprehensive package of music instruction and performance for young musicians who have demonstrated the greatest potential for musical achievement. Emphasis in this program is placed on the development of superior musical skills through large and small ensemble performance. The faculty is made up of the finest artist/teachers in the region, including members of The Philadelphia Orchestra and professors from Temple's own Boyer College of Music and Dance.

  **Children's Choral Division**
  The Children's Choir is designed for outstanding young singers, male (unchanged voices) and female, ages eight to eighteen. The choir focuses on expressive singing built upon a foundation of good vocal technique and musicianship. Singers perform repertoire representing diverse world cultures and a wide range of styles. The choir is made up of three groups: a training choir for beginning choral singers, a full concert choir, and a small chamber/touring choir.

  **The Festival of Young Musicians**
  The Festival of Young Musicians has long been the centerpiece of the Center for Gifted Young Musicians. Held annually in late April/early May, it consists of a series of concerts throughout the region that feature all the performers in the Center.

• **The Community Music Scholars Program** provides weekly individual instruction, music theory and ensemble experience at a nominal fee for young instrumentalists. These Philadelphia school students with need are nominated by their school music teachers and accepted by audition.

The Boyer College of Music Preparatory and Extension Division is located at Temple University's Center City Campus, 1515 Market Street, in the heart of metropolitan Philadelphia at the hub of the Regional Transit System.
Facilities

Presser Hall, opened in 1967, is the center of musical activity at Temple University. This building houses practice rooms, classrooms, ensemble rehearsal rooms, teaching studios, faculty offices, a 16-station computer classroom, student and faculty lounges, a large listening and viewing library, and the Presser Learning Center. Presser Hall's performance facilities include Klein Recital Hall and Arronson Rehearsal Hall. Presser Hall houses the Music Studies Department, the Music Education Department, the wind, brass, and Percussion programs of the Instrumental Department, the Choral Activities Department, the Department of Voice and Opera, and the programs in Music Therapy and Jazz Studies.

The nationally recognized Presser Learning Center, located on the first floor of Presser Hall, houses over 6,000 books, recordings, periodicals, videotapes, audio tapes, classroom instruments, and other materials used in the preparation of music teachers and music therapists. Included in the computer classroom is the hardware and software necessary for future teachers and therapists to become knowledgeable about the role of computers in music and administration.

The Presser Hall Listening Library houses a collection of more than 10,000 recordings and tapes, 6,000 compact discs, hundreds of video tapes and DVDs, reference books, and scores. Music listening and viewing assignments for courses in music history, theory, composition, jazz, education, and literature can be completed with this collection, which spans music history and performance from the earliest times to the present. A larger collection of music books and scores is found in Paley Library.

The Boyer College's newest facility, Rock Hall, was extensively renovated for music and dedicated in 1994 in recognition of the generous support of Dr. Milton Rock and the late Mrs. Shirley Rock. Located at Broad Street and Cecil B. Moore Avenue on Temple University's Main Campus, Rock Hall houses the Office of the Dean, the string and chamber music programs of the New School Institute, the programs in Music Composition, the Keyboard Department, the Early Music Program, the Alice Tully Library, three state-of-the-art computer/electronic laboratories for music and dance, practice rooms, classrooms, and a 325-seat chamber music recital hall.

The Experimental MIDI studio in Rock Hall features a variety of voice modules controlled by a computer workstation, a multi-channel mixer, and digital and analog recording facilities. Students are encouraged to design their own libraries of timbres for use in composition. The computer synthesis studio uses several computer workstations with expanded disk memory, digital and analog recording equipment, and a broad range of software for music synthesis. Most hardware and software titles in the Boyer College Computer Labs are identical to those in the new TECH Center's dedicated Music Lab, enabling students to work on projects in multiple venues.

The Boyer College's Department of Dance has its administrative, faculty, institute, and student offices housed in 1700 North Broad Street. Dance classes are held in three large dance studios in Pearson Hall where there are additional support spaces as well as two small teaching studios for smaller groups. Dance classes and performances are held in Conwell Dance Theater in Conwell Hall, a 125-seat black box theater.

Also utilized by the Boyer College is the third floor of Mitten Hall where the Temple Opera Theater's rehearsal, administrative and faculty offices are housed along with the Opera Listening and Study Library, and the scene, costume, and prop shops. The Howard Gittis Student Center fourth floor houses several Boyer College administrative and faculty offices, along with rooms for classes, ensemble rehearsals, and lessons. Tomlinson Theater, located across the street from Presser Hall, is used for on-campus large ensemble performances and for the twice yearly staged opera productions. A 55-seat smart classroom for music and dance instruction is housed in the Tuttleman Learning Center.

Academic Advising Center

Margo Jackson
Assistant Director of Undergraduate Advising
Presser Hall
2001 N. 13th Street
215-204-2229
margo@temple.edu

© 2007, Temple University. All rights reserved.
All Bachelor of Music and Bachelor of Science in Music students will be assigned a permanent faculty advisor. Students are required to meet with their advisor prior to registering for classes for the following semester. The advisor listing is posted on the first floor of Presser Hall.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

**Boyer College Policies for Music Students**

Please see the Undergraduate Academic Policies. Students are responsible for complying with all University-wide academic policies as well as those of the Esther Boyer College of Music that appear below.

**Band Camp and Choir Retreat Policy**

Each fall, prior to the opening of school, the University Marching Band holds its annual band camp. In addition to having a concentrated four-day work period to prepare for the coming season, students get to know each other in both a working and social relationship. They also become acquainted with the group directors at both the personal and professional levels. Attendance at band camp is mandatory for group participation.

The University Concert Choir often meets a few days prior to fall classes or during the first weekend of fall classes for extensive rehearsals.

**Ensemble Requirements**

- Undergraduate students with a major or concentration in voice or keyboard are required to participate in a choral ensemble, as determined by the Director of Choral Activities, throughout the undergraduate degree program where indicated by the curriculum. Participation begins in the first semester and continues until a baccalaureate degree is obtained. The requirement is waived during the semester of senior recital, internship, or student teaching.

- Music Education/Jazz Studies majors whose concentration is voice are required to participate in both classical and jazz vocal ensembles. After advisement to determine which kind of ensemble is appropriate, these students should go to the Director of Choral Activities to be placed in a classical ensemble and to the Coordinator of Jazz Studies to be placed in a jazz ensemble.

- Undergraduate students with a major or concentration in strings are required to play in the Symphony Orchestra. Participation begins in the first semester and continues until a baccalaureate degree is obtained. Qualified jazz strings and upright bass students are required to audition. This requirement is waived during the semester of student teaching or internship.

- All woodwind, brass, and percussion performance majors and concentrations must audition for instrumental ensembles, large and small, each semester. Continuing students will audition for ensemble placement through juries at the end of each semester. New students will audition for ensemble placement at the beginning of the first semester of study.

- Music education majors whose principal instrument is woodwind, brass, or percussion are required to play in the Marching Band for two semesters, normally during the fall semester of the freshman and sophomore years. Transfer students in this category must also register for Marching Band for two semesters unless they can show evidence of equivalent undergraduate experience at another college or university as determined by the Director of Athletic Bands.

- All students taking private lessons (major or concentration) or Recital Extensions are required to participate in an ensemble each semester in attendance.

- Percussion majors are required to participate in Percussion Ensemble.

- Any instrumental student who does not play for a private lesson jury at the end of each semester must arrange for an audition for ensemble placement for the succeeding semester with the Department of Instrumental Studies.
• Students may perform in more than two ensembles only with permission of their advisor.

• All students must show evidence of ensemble experience in their performance medium.

• All students who concentrate in string, woodwind, and brass instruments who are registered for lessons must arrange their schedules in order to attend regularly-scheduled master/studio classes. Failure to do so may result in the lowering of the applied lesson grade.

Independent Study Policy
Independent Study provides a special opportunity for juniors and seniors to work in a highly-individualized setting with one or more faculty members.

Those who wish to design an Independent Study project must prepare a written proposal six months in advance of the semester in which the study is to be accomplished. This proposal is then submitted for the approval of a special Honors subcommittee of the Academic Planning and Review Committee, which includes the Dean and Associate Dean. Private lessons beyond those required in the curriculum are not an appropriate form of Independent Study.

Professional Development Policy
All students in the College, in addition to passing the required subjects toward their degrees, are obligated to serve in a number of capacities in order to enrich their academic and musical expertise. The Boyer College believes that such experiences give impetus to successful professional careers. Among the duties that may be required are conducting laboratory classes, tutoring, teaching private lessons, coaching, participating in the distribution and inventory control of University-owned musical instruments and instructional materials, participating in ensembles, accompanying, supervising performance classes, performing at admission and open house events, and other academically-related activities. The Boyer College performances must be given priority over non-college commitments.

Instrumental Jury Policy
All instrumental students, both performance majors and instrumental concentration students, must play a jury at the conclusion of each semester to show evidence of progress on their instrument. For string performance majors, the jury at the end of the sophomore year is the 'Junior Standing Jury,' which must be successfully passed in order for the student to continue in the performance program.

Recital and Concert Attendance Policy
The Dean and Faculty of the Boyer College of Music and Dance consider recital and concert attendance to be a significant educational activity in the training of a musician. It is largely through the process of active listening that the young musician develops powers of discrimination and critical judgment with relation to musical performance. Therefore, attendance at a minimum of sixteen College recitals or concerts throughout the course of an academic year is mandatory for full-time undergraduate students. Part-time, matriculated undergraduate students are also responsible for attending a specific number of concerts in a direct ratio to the number of credits for which they are registered. During student teaching, therapy internship, or senior recital, this requirement is waived. A maximum of fifty-six recitals is needed to complete the requirement. The requirement for full-time transfer students will be based on the number of semesters they attended the Boyer College. Failure to comply with this ruling may result in delay of graduation from the College.

Senior Recitals Policy
Students in the following curriculums are required to perform a senior recital: Piano Performance, Piano Pedagogy, Instrumental Performance, Voice Performance, Jazz Instrumental Performance, Jazz Voice Performance, and Jazz Arranging/Composition. The Senior Recital provides the opportunity for the performance major to display his or her development and potential as a professional musician and should be considered the focal point for the semesters of private lessons which precede it. Before the Senior Recital is scheduled, the student (1) must have successfully completed private lessons during each semester prior to the recital and (2) must have achieved senior status academically. All grades of "incomplete" in private lessons must be cleared before the student may apply for the senior recital. Students should refer to the Boyer College of Music and Dance Undergraduate Handbook for further details and policies governing recitals.

After receiving approval from the jury and the major teacher in the applied area, a student should apply for the Senior Recital date and complete the necessary recital arrangements through the Recital Coordinator.
For students enrolled in the Instrumental Studies Department, the recital approval jury serves to demonstrate the student’s ability to perform the degree recital successfully. Normally, this occurs at the preceding semester’s jury. If by Departmental approval this jury does not occur, then a jury must be scheduled at least four weeks prior to the recital. **If the jury is not successfully completed by that time, the Instrumental Department reserves the right to cancel the recital date.** Most of the recital repertoire, with the exception of chamber ensemble works, should be available for performance at the jury and accompanied by the recital accompanist. Recital approval is dependent upon the time remaining between the approval jury and the actual recital date, as well as the degree of preparedness of the repertoire.

Except for non-sonata and complicated contemporary repertoire, string performance majors should perform from memory (and the recital program should include some portion that will be performed from memory). Students who wish an exception to this memorization policy must obtain prior approval from the Department by indicating the request on the recital repertoire form when it is submitted to the department for approval of the program.

Senior Recitals are usually presented Monday through Friday at 5:15 PM or 7:30 PM. Performance time should be forty-five to fifty minutes, exclusive of an optional intermission of no more than ten minutes.

**Recital Extension Policy**

Some students may need to extend their applied study beyond the required number of semesters in order to complete the preparation for the Senior Recital. Students who do not present a recital during the recital semester will receive the grade of "Incomplete" and must register for Music 5000-Recital Extension for 2 semester hours of non-degree credit. Recital Extension must be taken each semester until the recital has been presented. The sole exceptions to this rule are as follows:

- Students who give their recitals during the first three weeks of the spring semester are not required to register for Recital Extension that semester.

- Students who register for Recital Extension or for private lessons during the summer may give their recitals during the first three weeks of the fall semester. However, if a student does not register for either Recital Extension or lessons during the summer, he or she may not present the recital in the fall semester -- regardless of the date -- without also registering for that semester of lessons or Recital Extension.

- Private applied lessons beyond the eight-semester requirement currently in effect for undergraduate performance majors may be taken by permission of the jury and/or the appropriate performance department chairman. Music 5000-Recital Extension carries a $400 fee (subject to change without notice). Tuition scholarships do not cover this private lesson fee.

**Program Performance Policy**

All music departments reserve the right to dismiss an undergraduate student at any time from a given undergraduate degree program, regardless of grade point average, if in the opinion of the major department, he or she is unable to meet departmental standards. The decision will receive automatic review by the Academic Review and Planning Committee. The student has the right to appeal the dismissal to the Academic Review and Planning Committee of the Boyer College of Music.

**Undergraduate Private Lesson Policy**

Weekly one-hour private lessons are arranged for full-time matriculated undergraduates in the Boyer College for as many semesters as required by the particular curriculum. (A full-time student must be registered for at least 12 credits each semester.) A per semester lesson fee of $200 (subject to change without notice) -- above and beyond the regular tuition -- will be automatically added to the tuition charge of each student for this study. Students who do not complete a minimum of 12 semester hours must pay a private lesson fee of $400 for the succeeding semester of private lessons. Students who are accepted for a double concentration or a double major in performance must be fully accepted by both departments by audition. A private lesson fee of $400 is assessed for the second instrument. Approval of the Associate Dean is required for all students desiring a double major or double concentration. Tuition scholarships granted by the Boyer College do not cover the private lesson fees.

**General College Graduation Requirements - Music**

- All music education students must maintain a 3.0 GPA to obtain permission to student teach and qualify for state teacher certification.
• All music therapy students must receive a grade of B- or better in all music therapy classes. Grades below B- in any music therapy course may not be applied toward degree requirements in music therapy. Students may retake such courses only once, only with faculty approval. If a grade below B- is earned upon retaking the course, the students will not be permitted to continue as a music therapy major, but may be eligible to change to a different curriculum.

• All Boyer College music students must attend a minimum number of College recitals each semester to qualify for graduation. Refer to the Recital and Concert Attendance Policy for more detailed information.

• All Boyer College music students are required to participate in specific ensembles as determined by their department. Refer to the Ensemble Requirement Policy for more detailed information.

• Students in the following curriculums are required to perform a senior recital prior to graduation: Piano Performance, Piano Pedagogy, Instrumental Performance, Voice Performance, Jazz Instrumental Performance, Jazz Voice Performance, and Jazz Arranging/Composition. Refer to the Senior Recital Policy for more detailed information.

• All undergraduate music students must be cleared by the Associate Dean for Undergraduate Studies for graduation by the end of their junior year.

Please refer to the Boyer College Policy Section for a complete list of policies. Detailed requirements for each degree program are listed within the curriculum section of the Bulletin.

Descriptions

1. Certain courses fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.

2. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-requisite Policy in the University-wide Academic Policies section in this Bulletin.

Student Contact Information

Boyer College of Music and Dance - MUSIC CONTACTS
Robert T. Stroker, Dean
Rock Hall Office
215-204-5527
robert.stroker@temple.edu

Edward Flanagan, Associate Dean
Presser Hall
215-204-8301
edward.flanagan@temple.edu

David Brown, Assistant Dean
Student Center, 4th Floor
215-204-8392
dpbrown@temple.edu

Sue Alcedo, Director of Finance and Administration
Rock Hall
215-204-5191
alcedo@temple.edu

Jason Bechtold, Manager of Choral Activities
Presser Hall, Choral Office (Room 201)
Joann Kirchner  
Keyboard Office  
Rock Hall, Room 222  
215-204-7388  
joann.kirchner@temple.edu

Girard Kratz, Registrar, Temple University Prep  
Temple University Center City  
1515 Market Street, 5th Floor  
215-204-1180  
girardk@temple.edu

Janine Scaff, Director of Development  
Development Office  
215-204-5689  
janine.scaff@temple.edu

Eric Schweingruber, Director of Instrumental Ensembles  
Presser Hall, Room 129  
215-204-8306  
eschwein@temple.edu

James Short, Director of Admissions and Recruitment  
Student Center, 4th Floor  
215-204-8598  
jshort@temple.edu

Tara Webb Duey, Assistant Director, Development & Alumni Relations  
Development Office  
215-204-1938  
tara.webb-duey@temple.edu

**Music Faculty**

**Administration**

Robert T. Stroker, Dean  
Beth Bolton, Associate Dean  
Ed Flanagan, Associate Dean  
David Brown, Assistant Dean

Sue Alcedo, Director of Finance  
Millie Bai, Librarian for the Alice Tully Library  
Jason Bechtold, Manager of Choral Activities  
Jennifer Bolcar, Administrative Assistant  
Florence Brown-Palmore, Executive Assistant to the Dean  
Anne Canan, Administrative Specialist  
Tomeka Carr, Administrative Assistant for Music Education and Therapy  
Barbara DiToro, Associate Director, Temple University Prep  
Linda Fiore, Director of College Relations and External Affairs  
Jackie Grier, Administrative Specialist  
Anne Harlow, Reference Librarian, Samuel Paley Library  
Jason Horst, Associate Director, College Relations and External Affairs  
Colleen Hood, Manager of Instrumental Ensembles  
Mark Huxsoll, Director, Temple University Prep  
Margo Jackson, Assistant Director of Undergraduate Advising  
James Johnson, Producer, Temple Opera Theater  
Kristi Johnston, Associate Director of Recruitment and Financial Aid  
Girard Kratz, Registrar, Temple University Prep  
David Mattock, Presser Learning Center Assistant

© 2007, Temple University. All rights reserved.
Janine Scaff, Director of Development
Eric Schweingruber, Director of Instrumental Ensembles
James Short, Director of Music Admissions and Recruitment
Tara Webb-Duey, Assistant Director, Development & Alumni Relations

Choral

Professor
Jeffrey Cornelius, B.A., King College; B.M., Westminster Choir College; M.M., Ed.D., Temple University.
Alan Harler, Chair, Department of Choral Activities and Laura H. Carnell Professor of Choral Music; Director, Temple University Concert Choir; Director, Graduate Choral Studies. B.M., Illinois Wesleyan University; M.M., University of Cincinnati College-Conservatory of Music.
Janet Yamron, B.S. in Education, M.Ed., Temple University; studies with Elaine Brown, Julius Herford, John Finley Williamson; Helmuth Rilling (Oregon Bach Festival).

Assistant Professor
Tram Sparks, B.M. (Piano Performance), M.M. (Choral Conducting), Temple University; M.M.A., D.M.A, Yale University; Interdisciplinary Studies, Yale Institute of Sacred Music, Edward Stanley Seder scholar.

Instrumental Studies

Professor
Luis Biava, Director of the Temple University Symphony Orchestra; Post Graduate Diploma in conducting, Manhattan School of Music; Diploma: Atlantico University (Colombia) and Academia Santa Cecilia (Rome); retired principal second violin and Conductor-in-Residence, The Philadelphia Orchestra.
Arthur D. Chodoroff, (Clarinet), Conductor, Wind Symphony, Director of Bands; M.M., Temple University; private studies (clarinet) with Joseph Gigiotti, Donald Montanaro, and William Stubbins; (conducting) Elizabeth A.H. Green.
Helen Kwalwasser, (Violin), Artistic Advisor, String Instruction; Private studies with Efrem Zimbalist at The Curtis Institute of Music and with Ivan Galamian at The Juilliard School; member of the New York Chamber Soloists; winner, Juilliard Award; 2006 ASTA Artist-Teacher Award.
Eduard Schmieder, (Violin), Laura H. Carnell Professor of Violin; graduate of the Mussorgsky Musical College in Leningrad and the Gnessin Music Academy in Moscow.
Glenn A. Steele, (Percussion), M.M., Temple University; private studies with Alan Abel, Charles Owen, and Fred Hinger.
Jeffrey Solow, (Cello), Chair, Department of Instrumental Studies; B.A. in Philosophy from UCLA; advanced studies with and assistant to Gregor Piatigorsky at USC; 2-time Grammy nominee; president-elect of ASTA.

Assistant Professor
Timothy W. Oliver, Director of Athletic Bands, Associate Director of Bands; Ph.D. (Music Education), Florida State University.

Affiliate Faculty
Flute
David Cramer, Lecturer; B.M., The Curtis Institute of Music; private studies with Murray Panitz, William Hebert, and James Pappoutsakis; associate principal flute of The Philadelphia Orchestra.
Loren Lind, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet.

Oboe
Jonathan Blumenfeld, Lecturer; B.A., Haverford College; graduate of The Curtis Institute of Music; private studies with Richard Woodhams; member of The Philadelphia Orchestra.
Louis Rosenblatt, Adjunct Professor (Oboe and English Horn), Graduate of The Curtis Institute of Music; retired member of The Philadelphia Orchestra.
Peter Smith, Lecturer; associate principal oboe of The Philadelphia Orchestra; member, Conwell Woodwind Quintet; graduate of The Curtis Institute of Music.
Richard Woodhams, Adjunct Professor; principal oboe of The Philadelphia Orchestra; private studies with John DeLancie at the Curtis Institute of Music.

Clarinet
Sam Caveizel, Lecturer, Associate Principal Clarinet, The Philadelphia Orchestra; graduate, The Curtis Institute.
Arthur D. Chodoroff, Professor, Conductor, Wind Symphony, Director of Bands; M.M., Temple University; private studies (clarinet) with Joseph Gigliotti, Donald Montannaro, and William Stubbins; (conducting) Elizabeth A.H. Green.
Ricardo Morales, Lecturer; Artist Diploma, Cincinnati College Conservatory; principal clarinet of The Philadelphia Orchestra.
Ronald Reuben, Lecturer; Diploma, The Curtis Institute of Music; former member of The Philadelphia Orchestra.
Lawrence Wagner, Professor Emeritus; member, Conwell Woodwind Quintet; M.M., The Catholic University of America.

Bassoon
Angela Anderson, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet; graduate of University of New Mexico and University of Southern California.
Daniel Matsukawa, Lecturer; Principal Bassoon, The Philadelphia Orchestra; graduate, The Curtis Institute.

Saxophone
Marshall Taylor, Lecturer; M.M., Northwestern University; attended Conservatoire Nationale Superior de Musique and Université de Paris.

French Horn
Michael Johns, Lecturer; D.M.A., Temple University.
Jeffrey Kirsch, Lecturer; B.M., Temple University; Graduate of The Curtis Institute of Music, member of The Philadelphia Orchestra.
Shelley Showers, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet; graduate of The Curtis Institute of Music.
Adam Unsworth, Lecturer; member of The Philadelphia Orchestra.
Daniel Williams, Lecturer; member of The Philadelphia Orchestra, Diploma, The Curtis Institute of Music.

Trumpet
David Bilger, Lecturer; principal trumpet of The Philadelphia Orchestra. (By special arrangement)
Jeffrey Curnow, Lecturer; Associate Principal Trumpet, The Philadelphia Orchestra; former member, Empire Brass Quintet.
Robert Earley, Lecturer; member of The Philadelphia Orchestra.
Eric Schweingruber, Lecturer; Director of Instrumental Ensembles, M.M., Temple University.

Trombone
Blair Bollinger, Lecturer; Graduate of The Curtis Institute of Music; bass trombone of The Philadelphia Orchestra. (By special arrangement)
Paul Bryan, Lecturer; M.M., Temple University; graduate of The Curtis Institute.
Nitzan Haroz, Lecturer; principal trombone of The Philadelphia Orchestra; graduate, The Juilliard School.
Philip McClelland, Lecturer; Graduate of The Curtis Institute of Music; private studies with Henry Smith and Dee Stewart.
Matthew Vaughan, Lecturer; Associate Principal Trombone, The Philadelphia Orchestra; graduate, Indiana University School of Music.

Tuba
Jay Krush, Lecturer; M.M., Northwestern University; private studies with Abe Torchinski, Cherry Beauregard, and Arnold Jacobs; founding member of The Chestnut Brass Company.

Percussion
Alan Abel, Adjunct Professor; Graduate of The Eastman School of Music; retired member of The Philadelphia Orchestra.
William Kerrigan, Lecturer.
Glenn A. Steele, Professor (Percussion); M.M., Temple University; private studies with Alan Abel, Charles Owen, and Fred Hinger.
Angela Zator-Nelson, Lecturer; M.M., Temple University; Member of The Philadelphia Orchestra.

Harp
Sophia Bruno, Lecturer; B.M., The Curtis Institute of Music; private studies with Marilyn Costello and Alice Chalifdeaux; principal harpist with The Opera Company of Philadelphia.
Elizabeth Hainen, Lecturer, Principal Harp, The Philadelphia Orchestra.

Violin
Jonathan Beiler, Lecturer; B.A., Yale University; graduate study at Indiana University; private study with Broadus Erle,
Syoko Aki, and Joseph Gingold; member of The Philadelphia Orchestra.

Davyd Booth, Lecturer; member of The Philadelphia Orchestra; graduate, New School of Music.

William dePasquale, Lecturer; Co-Concertmaster of The Philadelphia Orchestra (retired).

Kimberly Fisher, Lecturer; Principal Second Violin, The Philadelphia Orchestra.

Helen Kwalwasser, Professor (Violin), Artistic Advisor, String Instruction; Private studies with Efrem Zimbalist at The Curtis Institute of Music and with Ivan Galamian at The Juilliard School; member of the New York Chamber Soloists; winner, Juilliard Award.

Dmitri Levin, Lecturer; Member of The Philadelphia Orchestra.

Diane Monroe, Lecturer; Member of Uptown String Quartet.

Hirono Oka, Lecturer; Member of The Philadelphia Orchestra; graduate, Curtis Institute.

Charles Parker, Lecturer; B.A., State University of New York at Stony Brook; Artistic Director of the Davidsbund Chamber Players.

Booker Rowe, Lecturer; Member of The Philadelphia Orchestra.

Eduard Schmieder, Laura H. Carnell Professor of Violin; graduate of the Mussorgsky Musical College in Leningrad and the Gnessin Music Academy in Moscow.

Yumi Ninomiya Scott, Lecturer; Graduate of The Curtis Institute of Music; private studies with Jascha Brodsky, Ivan Galamian, and Paul Makanawitsky; former member of the Curtis String Quartet; member of The Philadelphia Orchestra.

Barbara Sonies, Lecturer; M.S., The Juilliard School of Music.

Viola

Choong-Jin Chang, Lecturer; Principal viola, The Philadelphia Orchestra; graduate, Curtis Institute.

Che-Hung Chen, Lecturer; Acting Associate Principal Viola, The Philadelphia Orchestra; graduate, Curtis Institute.

Sidney Curtiss, Lecturer; Attended The Philadelphia Conservatory of Music; private studies with Leonard Mogill; member of The Philadelphia Orchestra.

Brett Deubner, Lecturer; graduate, Eastman School of Music.

Evelyn Jacobs Luise, Lecturer; Graduate of Temple University and The Curtis Institute of Music; private studies with Max Aronoff; principal viola of The Opera Company of Philadelphia and the Bethlehem Bach Festival.

Xiao Fu Zhou, Lecturer.

Cello

John Koen, Lecturer.

Kathryn Picht-Read, Lecturer; M.M., Boston University; private studies with Lowell Creitz, Gabriel Magyar, and George Neikrug; member of The Philadelphia Orchestra.

Jeffrey Solow, Professor; B.A., University of California at Los Angeles; advanced studies with Gregor Piatigorsky.

Double Bass

John Hood, Lecturer; member of The Philadelphia Orchestra; graduate, University of Michigan.

Anne Peterson, Lecturer; Graduate of The New School of Music.

Robert Kesselman, Lecturer; member of The Philadelphia Orchestra; graduate, Curtis Institute.

Classical Guitar

Allen Krantz, Lecturer; M.A. in early music performance practice, Stanford University; private studies with Michael Lorimer, Robert Strizich, and Stanley Beautens.

Jazz Studies

Professor

Terell Stafford, Director of Jazz Studies and Ensembles, M.M., Rutgers University.

Dick Oatts, (Saxophone), Professor of Jazz Studies.

Assistant Professor

Ed Flanagan, Associate Dean for Graduate Affairs. Associate Professor Jazz Studies. Ph.D., Temple University; performances with Billy Eckstine, Michel Legrand, Michel Urbaniak, Nancy Wilson, Philly Pops, Mellon Jazz Festival; clinician.
Instructor
Ben Schachter, Lecturer in Saxophone and Jazz Theory; M.M., New England Conservatory.

Affiliate Faculty
Bruce Barth, Lecturer in Jazz Piano and Jazz Composition; M.M., New England Conservatory.
Mike Boone, Lecturer in Jazz Bass.
Luis Bonilla, Lecturer in Jazz Trumpet.
Don Collins, Lecturer in Jazz Trombone and Ensemble; B.A., University of Virginia; M.D., Medical College of Virginia.
Alison Crockett, Lecturer in Jazz Voice.
Lou DeLise, Lecturer in Jazz Arranging and Pop Composition; B.M., Temple University.
Anton Dener, Lecturer in Jazz Saxophone.
Craig Ebner, Lecturer in Jazz Guitar.
Vince Fay, Lecturer in Jazz Bass.
Steve Fidyk, Lecturer in Jazz Drums.
Michael Frank, Lecturer in Jazz Piano and Jazz Theory; M.M., Temple University.
Tom Giacobetti, Lecturer in Jazz Guitar and Ensemble.
Erik Johnson, Lecturer in Jazz Drums and Ensemble; B.M., Temple University.
William Jones, Lecturer in Business of Music; B.M., University of the Arts.
Greg Kettinger, Lecturer in Jazz Theory and Ensemble; B.M., Temple University.
Byron Landham, Lecturer in Jazz Drums.
Tom Lawton, Lecturer in Piano and Ensemble.
Dan Monaghan, Lecturer in Jazz Theory and Ensemble; B.M., Temple University.
Carl Motolla, Lecturer in Jazz Percussion; B.M., Beaver College.
Michael Natale, Lecturer in Trumpet, Ensemble, and Improvisation.
Joanna Pascale, Lecturer in Jazz Voice.
Madison Rast, Lecturer in Jazz Bass.
Arcenia Rosal, Lecturer in Voice; B.S. in Music Education, Temple University.
Jaleel Shaw, Lecturer in Jazz Saxophone.
Julie Snyder, Lecturer in Jazz Voice.
John Swana, Lecturer in Jazz Trumpet.
Kim Tucker, Lecturer in Business of Music.

Keyboard

Professor
Alexander Fiorillo, (Piano), M.M., The Catholic University of America; private studies with Victor Babin and Vladimir Horowitz.
Lambert Orkis, (Piano), Coordinator of the Master of Music Piano Accompanying and Chamber Music Program; M.M., Temple University; private studies with Eleanor Sokoloff and Maryan Filar.
Maria del Pico Taylor, (Piano), Coordinator of Class Piano; M.M., Northwestern University; private studies with Pauline Lindsey, Paul Stassevich, Adele Marcus, and Dorothy Taubman.
Harvey Wedeen, (Piano), Chair; M.S., The Juilliard School of Music; private studies with Robert and Gaby Casadesus, Alexander Borovsky, Adele Marcus, and Isabella Vengerova.

Associate Professor
Charles Abramovic, (Piano), D.M.A., Temple University; private studies with Leon Fleisher and Harvey Wedeen.

Affiliate Faculty
Joann Marie Kirchner, Lecturer in Keyboard; Ph.D., University of Oklahoma; M.M., Temple University; Pedagogy studies with Reid Alexander and Jane Magrath; private studies with Harvey Wedeen.
Oleg Maslov, Lecturer in Keyboard; D.M.A., Temple University; M.M., Kharkov State Conservatory; Postgraduate Studies, Kiev State Conservatory; studies with Regina Horowitz and Harvey Wedeen; winner, Ukranian National Piano Competition, 1979.
Irina Yurkovskaya
Music Education and Music Therapy

Professor
Kenneth E. Bruscia, Coordinator of Music Therapy Programs, Ph.D., New York University
Cheryl Dileo, Ph.D., Louisiana State University
Deborah A. Sheldon, Chair of Music Education and Music Therapy, Ph.D., Florida State University
Robert Stroker, Ph.D., Michigan State University
Darrel Walters, Ph.D., University of Michigan
Janet Yamron, M.Ed., Temple University

Associate Professor
Ken Aigen, D.A., New York University
Beth Bolton, Ph.D., Temple University
Darlene Brooks, Ph.D., Temple University
Alison Reynolds, Ph.D., Temple University

Affiliate Faculty - Lecturers
Brad Biederman M.M.T., Temple University - Guitar Methods
Joke Bradt, Ph.D., Temple University - Music Therapy
Dena Condron, M.M.T., Temple University - Music Therapy
Roger Harrington, M.M.Ed., College of New Jersey - String Methods
Michael Johns, D.M.A., Temple University - Brass Methods
Patricia McCarrick-Dix, Ph.D., Temple University - Music Education Methods
Kathleen Murphy, M.M.T., Temple University - Music Therapy
Phillip O'Banion, M.M., University of Colorado – Boulder - Percussion Methods
Lindsay Weightman, D.M.A., Manhattan School of Music - Keyboard Harmony
Debra Wolfe, Ph.D., Temple University - Music Education Methods

Affiliate Faculty - Student Teacher Supervision
Michael Norris, B.S., West Chester University - Student Teaching Coordinator
Jeanneane Bozzelli, M.S., Philadelphia University
Michael Britcher, Ph.D. Candidate, Temple University
Nathan Buonviri, Ph.D. Candidate, Temple University
Roger Dean, Ph.D., Professor Emeritus, Temple University
Corin Overland, Ph.D. Candidate, Temple University
Mary Kate Newell, Ph.D. Candidate, Temple University
Jill Reese, Ph.D. Candidate, Temple University
Heather Russell, Ph.D. Candidate, Temple University
Hugh Williamson, Ph.D. Candidate, Temple University
Debra Wolfe, Ph.D., Temple University

Music Studies: Composition

Professor
Matthew Greenbaum, Ph.D., City University of New York.
Maurice Wright. Coordinator of Music Composition; Laura H. Carnell Professor of Music; D.M.A., Columbia University.

Associate Professor
Richard Brodhead, Associate Dean for Academic and Faculty Affairs; A.M., University of Pennsylvania.

Music Studies: Music History

Associate Professor
David Cannata, Ph.D., New York University.
Steven Kreinberg, Ed.D., Temple University.
Stephen Willier, Ph.D., University of Illinois.
Steven Zohn, Coordinator of Music History; Ph.D., Cornell University.

Affiliate Faculty

Edith Saltzberg, Lecturer in Music History; M.M., Temple University.
Martha Schleifer, Lecturer in Music History; Ph.D., Bryn Mawr College.
Robert Wiemken, Lecturer in Early Music Ensembles; M.A., Washington University.

Music Studies: Theory

Professor

John Johnson, M.M., University of Texas.

Associate Professor

Alexander Brinkman, Ph.D., Eastman School of Music.
Cynthia Folio, Ph.D., Eastman School of Music.
Michael Klein, Chair; Ph.D., SUNY, Buffalo.

Assistant Professor

Edward Latham, Ph.D., Yale University.

Affiliate Faculty

Jeremy Gill, Ph.D., University of Pennsylvania.

Voice and Opera

Professor

Phillip Cho, M.M. and Opera Diploma, The Juilliard School of Music; Honorary Doctor of Music, Duquesne University; private studies with Jan Peerce, Mme. Freschi, and Jennie Tourel.

Associate Professor

Christine Anderson, Chair; D.M.A., College Conservatory of Music, University of Cincinnati; private studies with Andrew White, Lorenzo Malfatti, Helen Laird, and John Alexander.
John Douglas, M.M., Bowling Green University.

Assistant Professor

Lawrence Indik, D.M.A., Manhattan School of Music.

Affiliate Faculty

David Arnold, Lecturer in Voice.
Elise Auerbach, Vocal Coach; M.M., College Conservatory of Music, University of Cincinnati.
George Gray, Lecturer in Voice; B.M.E., Westminster Choir College, Mannes College of Music, Academy of Vocal Arts; M.M. (Opera), Temple University.
Leland Kimball, Lecturer in Voice.
Robert Knie, Lecturer in Voice.
Inyoung Lee, Lecturer in Voice.
Randi Marrazzo, Lecturer in Voice; M.M., Catholic University.
William M. Mayo, Lecturer in Voice; M.M., Temple University.
Carlos Serrano, Lecturer in Voice; Artist's Diploma, The Curtis Institute of Music; Studies at the Academy of Vocal Arts.
Donald St. Pierre, Lecturer in Voice.
Benita Valente, Lecturer in Voice.
Copeland Woodruff, Lecturer in Voice.
Emeritus Faculty

Professor
David L. Stone (1916 - 2001), Founding Dean
Helen Laird, Dean Emeritus
Florence Berggren
Matthew Colucci
Roger Dean
Marian Demand
Paul Epstein
Maryan Filar
Arthur Frank
Allen M. Garrett
Edwin E. Gordon
George McKinley
Eve R. Meyer
Klara B. Meyers
June Ottenberg
Mildred Parker
Gail Poch
George Sementovsky
Jonathan Sternberg
Lawrence Wagner

Associate Professor
Sophia Melvin

Assistant Professor
Greta M. Csonka

Music Technology Component

In addition to course work leading to bachelor's degrees in Music, the Boyer College of Music offers a 36-credit component in Music Technology to qualified music majors. This component, which is distributed over a student's freshman through senior years, normally results in a five-year program of study.

The music technology component provides a structured sequence of courses for those students who desire to use new technologies to enhance their skills as performers, composers, teachers, and scholars. Courses focus on the creative, performance, and pedagogical aspects of music technology. An example of how the Music Technology component can be incorporated into a five-year option can be found in the Program Description section of this Bulletin under the Music Education Department. Students interested in adding the component to their curriculum should contact their respective chair for further information and specific curriculum guidelines.

Performance, Vocal Instruction

Christine Anderson, Chair
215-204-8375
cla@temple.edu

The training provided by the Voice Department emphasizes vocal technique and repertoire in a challenging program of vocal development. Performance progress is closely guided through private lessons, juries, and recital performances. The program of study prepares singers for careers in concert and recital performance, opera and private teaching.

Bachelor of Music: Voice Performance

<table>
<thead>
<tr>
<th>Freshman Year – 1st Semester</th>
<th></th>
<th></th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1225</td>
<td>English Diction</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Required Elective</td>
<td>1001</td>
<td>Foreign Language I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>1002</td>
<td>Foreign Language II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1003</td>
<td>Foreign Language III</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>1001</td>
<td>Foreign Language I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4226</td>
<td>Diction Skills I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Required Elective</td>
<td>1001</td>
<td>Foreign Language I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-----------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Music</td>
<td>4227</td>
<td>Diction Skills II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Electives</td>
<td>Elective</td>
<td>Electives</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4203</td>
<td>Voice Major</td>
<td>3</td>
<td>RCI</td>
</tr>
<tr>
<td>Music</td>
<td>4223</td>
<td>Vocal Coaching</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3267</td>
<td>Vocal Repertoire</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4228</td>
<td>Opera Workshop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4284</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4224</td>
<td>Vocal Coaching</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4225</td>
<td>Vocal Pedagogy</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3268</td>
<td>Vocal Repertoire</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4229</td>
<td>Opera Workshop</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Music Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Degree Total

**129**

**Suggested Music Electives - List A**
- Orchestration 3713 (2 cr)
- Advanced Orchestration 4722 (2 cr)
- Keyboard Harmony 3741 or 3662 (3 cr)
- Counterpoint 4717 (2 cr)
- Composition 3748, 3749 (0-2 cr)
- Analysis 4718 (2 cr)

**Suggested Music Electives - List B**
- History of Jazz 2114 (3 cr)
- Business of Music 1118 (2 cr)
- Music Technology courses
- Advanced Conducting 4323 or 4324 (2 cr)
- Music Learning Theory 4665 (3 cr)
- Opera Ensemble 8210 (1 cr)*
- Early Music Ensemble 4710 (1 cr)*
- Musical Theater 4258 (2 cr)

NOTE: You must take at least one elective from List A and one from List B.
*No more than 2 credit hours may be taken as music elective credit.
The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.

### Bachelor of Music: Piano Performance

#### Freshman Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1404</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2404</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1415</td>
<td>Intro. to Piano Pedagogy</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Degree Total

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>127</td>
<td></td>
</tr>
</tbody>
</table>

### Music Electives - List A

- Orchestration 3713 (2 cr)
- Advanced Orchestration 4722 (2 cr)
- Analysis 4718 (2 cr)
- Composition 3748, 3749 (0-2 cr)

### Music Electives - List B

- Early Keyboard Instruments Sem. (2 cr)
- Advanced Conducting 4323, 4324(2 cr)

* No more than 2 credit hours may be taken as music elective credit.

**NOTE:** You must take at least one elective from List A and one from List B.

---

**Performance, Keyboard/Harpsichord Instruction**

Harvey D. Wedeen, Chair
215-204-8648
hwedeen@temple.edu

© 2007, Temple University. All rights reserved.
The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.

**Bachelor of Music: Harpsichord Performance**

<table>
<thead>
<tr>
<th>Freshman Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1404</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2404</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1415</td>
<td>Intro. to Piano Pedagogy</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3422</td>
<td>Keyboard Literature</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Junior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3404</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3423</td>
<td>Keyboard Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3741</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC/RS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4403</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3415</td>
<td>Pedagogy of Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4484</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Music Appl.</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total**

|                  |          |                                 | **127**|      |

**Music Electives - List A**
- Orchestration 3713 (2 cr)
- Advanced Orchestration 4722 (2 cr)
- Analysis 4718 (2 cr)
- Composition 3748, 3749 (0-2 cr)

**Music Electives - List B**
- Early Keyboard Instruments Sem. (2 cr)
- Advanced Conducting 4323, 4324(2 cr)

* No more than 2 credit hours may be taken as music elective credit.

**NOTE:** You must take at least one elective from List A and one from List B.

---

**Performance, Piano Pedagogy**

Harvey D. Wedeen, Chair  
215-204-8648  
hwedeen@temple.edu

The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.
### Bachelor of Music: Piano Pedagogy

#### Freshman Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1403*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1415</td>
<td>Intro. to Piano Pedagogy</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3421</td>
<td>Suzuki for Pianists</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
</tbody>
</table>

**Subtotal**: 17

#### Freshman Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1404*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2415</td>
<td>Pedagogy of Piano Tech.</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
</tbody>
</table>

**Subtotal**: 15

#### Sophomore Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2403*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
</tbody>
</table>

**Subtotal**: 16

#### Sophomore Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2404*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2416</td>
<td>Creative Act for the Piano Teacher</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
</tbody>
</table>

**Subtotal**: 17

#### Junior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3403*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3422</td>
<td>Keyboard Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3415</td>
<td>Pedagogy of Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal**: 17

#### Junior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3404*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3423</td>
<td>Keyboard Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3416</td>
<td>Pedagogy of College Non-Major</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC/RS</td>
</tr>
</tbody>
</table>

**Subtotal** 15

**Senior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4403*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Sec. Piano (Jazz)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3741</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 16

**Senior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4484*</td>
<td>Piano Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1429</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Sec. Piano (Jazz)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 16

**Degree Total** 129

*Piano Major sequence, (1403, 1404, 2403, 2404, 3403, 3404, 4403, 4484) requires a minimum of four (4) hours practice daily.

**Instrumental Studies, Instrumental Performance**

Jeffrey Solow, Chair  
Coordinator for Strings  
215-204-8025  
jeffrey.solow@temple.edu

Luis Biava  
Conductor, Symphony Orchestra  
215-204-8339  
luis.biava@temple.edu

Arthur Chodoroff  
Director of Bands; Coordinator for Woodwinds and Brass  
215-204-8389  
arthur.chodoroff@temple.edu

Helen Kwalwasser  
Artistic Advisor, String Instruction  
215-204-8334

© 2007, Temple University. All rights reserved.
The Instrumental Major program centers on intensive coaching and private study with a renowned faculty of teachers, many of whom are members of The Philadelphia Orchestra and other professional performing organizations. Opportunity to perform a vast repertoire abounds in the number and types of ensemble experiences available. The programs of study provide the training necessary to compete in the professional performance world.

### Bachelor of Music: Instrumental Performance

#### Freshman Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC/RS</td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Intellectual Heritage</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Junior Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science A</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4570</td>
<td>Orchestral Repertoire</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Science B</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4584</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensembles</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4570</td>
<td>Orchestral Repertoire</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Degree Total

|       |       |                              | 125   |     |

- Acoustics 1003 (SA), and Computers in Musical Applications 4711 (SB) recommended.
- No more than 2 credit hours may be taken as music elective credit.
- Students must take at least one elective from List A and one from List B.

**Suggested Music Electives - List A**
- Orchestration 3713 (2 cr)
- Advanced Orchestration 4722 (2 cr)
- Keyboard Harmony 3741 or 3662 (3 cr)
- Counterpoint 4717 (2 cr)
Composition 3748, 3749 (0-2 cr)
Analysis 4718 (2 cr)

Suggested Music Electives - List B
History of Jazz 2114 (3 cr)
Business of Music 1118 (2 cr)
Music Technology courses
Advanced Conducting 4323 or 4324 (2 cr)
Music Learning Theory 4665 (3 cr)
Instrumental Pedagogy (2 cr)
Choral Ensembles (1 cr)*
Early Music Ensemble 4710 (1 cr)*
Orchestral Repertoire 4570 (1 cr)*
Voice 1211, 1212 (1 cr)*

Bass performance majors must enroll for eight semesters of orchestra and four additional semesters of ensembles. It is suggested that Early Music Ensemble be one of these credit hours. The remaining 4 credit hours of ensemble may be taken as free music electives.

Saxophone performance majors may register for up to 4 credit hours of ensembles in reading jazz ensembles (Jazz Band or Jazz Lab Band) with prior approval of the Instrumental Department Chair and Coordinator of the Jazz program. The 2 semester hours of orchestra repertoire classes are to be replaced by elective(s).

Instrumental Studies, Classical Guitar Performance

Bachelor of Music: Classical Guitar Performance

<table>
<thead>
<tr>
<th>Freshman Year – 1st Semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4560</td>
<td>Seminar in Guitar Performance and Lit.</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year – 2nd Semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4560</td>
<td>Seminar in Guitar Performance and Lit.</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC/RS</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year – 1st Semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4560</td>
<td>Seminar in Guitar Performance and Lit.</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4560</td>
<td>Seminar in Guitar Performance and Lit.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science A</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4584</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science B#</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Elective</td>
<td>Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total** 124
# Acoustics 1003 (SA), and Computers in Musical Applications 4711 (SB) recommended.

**Suggested Music Elective - List A**
Orchestration 3713 (2 cr)
Advanced Orchestration 4722 (2 cr)
Keyboard Harmony 3741 or 3662 (3 cr)
Counterpoint 4717 (2 cr)
Composition 3748, 3749 (0-2 cr)
Analysis 4718 (2 cr)

**Suggested Music Electives - List B**
History of Jazz 2114 (3 cr)
Business of Music 1118 (2 cr)
Music Technology courses
Advanced Conducting 4323 or 4324 (2 cr)
Music Learning Theory 4665 (3 cr)
Instrumental Pedagogy (2 cr)
Choral Ensemble (1 cr)*
Early Music Ensemble 4710 (1 cr)*
Orchestral Repertoire 4570 (1 cr)*
Voice 1211, 1212 (1 cr)*
* No more than 2 credit hours may be taken as music elective credit.

NOTE: You must take at least one elective from List A and one from List B.

**Jazz Studies, Instrumental Performance**
Terell Stafford, Director
215-204-8036
tstaffor@temple.edu

Students of Temple's Jazz Studies program have the opportunity to participate in both large and small ensembles. Jazz Band, Lab Band, Brass Ensemble, Fusion Ensemble, Percussion Ensemble, Guitar Ensemble, Vocal Ensemble, and New Music by Temple Composers provide a comprehensive performance experience in solo as well as ensemble playing for both instrumentalists and vocalists. All of the performing groups are coached by an experienced faculty of musician-educators. Graduates are prepared to begin a career as professional performers.

**Bachelor of Music: Jazz Instrumental Performance**

<table>
<thead>
<tr>
<th>Freshman Year – 1st Semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Music</strong></td>
<td>1503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music Studies</strong></td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td><strong>Music Studies</strong></td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year – 2nd Semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Music</strong></td>
<td>1504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music Studies</strong></td>
<td>1106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Music Studies</strong></td>
<td>1712</td>
<td>Theory II (Jazz)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>----------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2105</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Jazz)</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4114</td>
<td>Jazz Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3504</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4111</td>
<td>Jazz Styles and Analysis</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4503</td>
<td>Instrumental Major</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>*Music Technology Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Core</th>
<th>Elective</th>
<th>International Studies</th>
<th>3</th>
<th>IS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4584</td>
<td>Instrumental Major</td>
<td>4</td>
<td>RCI</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music Studies</td>
<td>3796</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>127</th>
<th></th>
</tr>
</thead>
</table>

*Music Technology Electives*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4713</td>
<td>Sound Recording (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4716</td>
<td>Composing Music for Film (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
<td>MIDI (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Music Synthesis (Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4714</td>
<td>Sound Editing (Spring)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Jazz Studies, Jazz Arranging/Composing**

Terell Stafford, Director
215-204-8036
tstaffor@temple.edu

**Bachelor of Music: Jazz Arranging/Composing**

**Freshman Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501</td>
<td>Performance Concentration</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502</td>
<td>Performance Concentration</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Music Studies</td>
<td>1106</td>
<td>Jazz Secondary Piano</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2114</td>
<td>History of Jazz</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501 or 2201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2015</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Jazz)</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>**</td>
<td>**</td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502 or 2202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Small Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Large Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>**</td>
<td>**</td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501 or 3201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4114</td>
<td>Jazz Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4110</td>
<td>Seminar in Jazz Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>**</td>
<td>**</td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502 or 3202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4115</td>
<td>Jazz Arranging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4111</td>
<td>Jazz Styles and Analysis</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4110</td>
<td>Seminar in Jazz Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>**</td>
<td>**</td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4501 or 4201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4110</td>
<td>Seminar in Jazz Comp.</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4120</td>
<td>Seminar in Jazz Comp.</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3713</td>
<td>Orchestration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Music Ed</td>
<td>Elective</td>
<td>Music Technology Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Senior Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4502 or 4202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4110</td>
<td>Seminar in Jazz Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4120</td>
<td>Seminar in Jazz Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total** | | | **123** |     |

### Music Technology Electives

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4713</td>
<td>Sound Recording (Fall)</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4716</td>
<td>Composing Music for Film (Fall)</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
<td>MIDI (Fall)</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Music Synthesis (Spring)</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4714</td>
<td>Sound Editing (Spring)</td>
<td></td>
</tr>
</tbody>
</table>

---

**Jazz Studies, Jazz Voice Performance**

Terell Stafford, Director  
215-204-8036  
tstaffor@temple.edu

### Bachelor of Music: Jazz Voice Performance

#### Freshman Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2114</td>
<td>History of Jazz</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2105</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------</td>
<td>------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation: Theory and Practice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4114</td>
<td>Jazz Improvisation: Theory and Practice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3204</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4111</td>
<td>Jazz Style and Analysis</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Core Elective</td>
<td>3001</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4203</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>*Music Technology Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core Elective</td>
<td>3001</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4284</td>
<td>Voice Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3100</td>
<td>Jazz Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Music Technology Electives**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4713</td>
<td>Sound Recording (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4716</td>
<td>Composing Music for Film (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
<td>MIDI (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Music Synthesis (Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4714</td>
<td>Sound Editing (Spring)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Theory**

Michael Klein, Chair  
215-204-8322  
[Michael.klein@temple.edu](mailto:Michael.klein@temple.edu)

The Music Theory Department prepares its majors to be well-rounded practical musicians able to apply skills and knowledge to performance, composition, analysis, research, and teaching.

**Bachelor of Music: Music Theory**

**Freshman Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501, 1401, 1201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>German</td>
<td>1001</td>
<td>Beginning German I</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502, 1402, 1202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td>LA</td>
</tr>
<tr>
<td>German</td>
<td>1002</td>
<td>German II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

© 2007, Temple University. All rights reserved. 464
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501, 2401, 2201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>1003</td>
<td>Intermediate German I</td>
<td>3</td>
<td>LB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502, 2402, 2202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>2001</td>
<td>Intermediate German II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501, 3401, 3201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music</td>
<td>4323 or 4324</td>
<td>Conducting</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3710</td>
<td>Theory Seminar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3713</td>
<td>Orchestration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502, 3402, 3202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3796</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Studies</td>
<td>3741</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4718</td>
<td>Analysis</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>3748</td>
<td>Junior Seminar I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3710</td>
<td>Theory Seminar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC, RS</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science A</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Senior Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>Elective</td>
<td>Theory/Comp Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3749</td>
<td>Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3896</td>
<td>Theory Seminar</td>
<td>2</td>
<td>WI</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Science B</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Arts</td>
<td>3</td>
<td>AR</td>
</tr>
</tbody>
</table>

**Subtotal** 14

### Degree Total

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>127</td>
</tr>
</tbody>
</table>

---

### Composition

Michael Klein, Chair  
215-204-8322  
[Michael Klein](mailto:michael.klein@temple.edu)

Maurice Wright, Coordinator of Music Composition  
215-204-8016  
[Maurice Wright](mailto:maurice.wright@temple.edu)

The Composition Department offers courses in composition for various media, including electronic music. Creativity, the development of personal expression through music, and the assessment of music's role in the 21st-century societal context are the focal points for composition majors.

---

### Bachelor of Music: Composition

#### Freshman Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501, 1401, 1201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Core</td>
<td>1001</td>
<td>Foreign Language</td>
<td>4</td>
<td>LA</td>
</tr>
</tbody>
</table>

**Subtotal** 15

#### Freshman Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502, 1402, 1202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td>LC</td>
</tr>
<tr>
<td>Core</td>
<td>1002</td>
<td>Foreign Language</td>
<td>4</td>
<td>QA</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
</tbody>
</table>

**Subtotal** 15

#### Sophomore Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501, 2401, 2201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>---------------</td>
<td>------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Music</td>
<td>2502, 2402, 2202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2749</td>
<td>Music Composition II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2748</td>
<td>Music Composition I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2749</td>
<td>Music Composition II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2749</td>
<td>Music Composition II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Arts</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Synthesis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2748</td>
<td>Music Composition I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 2nd Semester**

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4749</td>
<td>Senior Seminar II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4323 or 4324</td>
<td>Conducting</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total** | 127

---

**Music History**

Michael Klein, Chair  
215-204-8322  
[Michael Klein](mailto:michael.klein@temple.edu)

Steven Zohn, Coordinator of Music History  
215-204-5096  
[Steven Zohn](mailto:steven.zohn@temple.edu)

The Music History Department emphasizes an historic and analytical approach to the study of music and the development of scholarly research skills.

**Bachelor of Music**

**Major in Music History**

### Freshman Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501, 1401, 1201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Core</td>
<td>1001</td>
<td>Foreign Language</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

### Freshman Year – 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502, 1402, 1202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1002</td>
<td>Foreign Language</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year – 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501, 2401, 2201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1003</td>
<td>Foreign Language</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502, 2402, 2202</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>2002</td>
<td>Foreign Language</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501, 3401, 3201</td>
<td>Concentration</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Music</td>
<td>3405</td>
<td>Secondary/Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>English</td>
<td>Elective</td>
<td>Literature Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>*Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502, 3402, 3202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>3406</td>
<td>Secondary/Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral/Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC, RS</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>3796</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4501, 4504, 4502</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4710</td>
<td>Early Music Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>Elective</td>
<td>Music History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>*Music Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>+Arts</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4710</td>
<td>Early Music Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4718</td>
<td>Analysis</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
Music Education

Deborah Sheldon, Chair
215-204-8301
dsheldon@temple.edu

The Department of Music Education concentrates on developing music educators at the undergraduate level who will be ready for successful entry into the teaching profession.

Faculty recommendations for student teaching are not automatic. They must be earned by the student through demonstrated potential in the field, a 3.0 GPA, and passing of Praxis exams I and II. Students not recommended for student teaching may be permitted to graduate after successful completion of additional course work, but will not be recommended for Pennsylvania State Music Teacher Certification.

Upon successful completion of the four-year program of study, the five-year double major program of study, or the five-year program with either a Jazz Studies component or Technology component, and upon achieving passing scores on the Praxis Series Assessments (Professional Assessments for Beginning Teachers), students qualify for Pennsylvania state certification for public school music teachers, K-12.

Music Education, Voice Concentration

Bachelor of Music: Music Education

Voice Concentration

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1201</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1658</td>
<td>Guitar I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td></td>
<td>1001</td>
<td>+Foreign Language</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>1002</td>
<td>+Foreign Language</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Music</td>
<td>2201</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1225</td>
<td>English Diction</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Mus. Learning Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3201</td>
<td>Voice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music</td>
<td>4226</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Music Learning Theory</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>#Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3662</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4227</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4323</td>
<td>Conducting Choral</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teach. Music to Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
Music | Varies | Choral Ensemble | 1
Music | 4353 | Teaching Choral Music | 2
Music Studies | 4711 | ##Computers in Mus. Applications | 3 SB
Music Ed | 4661 | Curricular Options Secondary Sch. Mus. | 3
Education | 1196 | Education and Schooling in America | 3 AC, WI
IH | 1297 | Intellectual Heritage II | 3 IB
Elective | Elective | Elective | 1
**Subtotal** | | | **16**

**Senior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total** | **125** |

+ This program requires two semesters of foreign language study. If the 1003 level has been met by the language placement exam, then one year of another language must be taken. Options include German, French, and Italian.

# See current Schedule of Classes for additional first level science courses. Acoustics 1003, however, is strongly recommended. Acoustics 1003 is a prerequisite for Computers in Music Applications 4711, another strongly recommended course for music education majors.

## See current Schedule of Classes for additional approved second-level science core course. Computers in Music Applications, however, is strongly recommended for music education majors.

**Music Education, Piano Concentration**

**Bachelor of Music: Music Education**

**Piano Concentration**

**Freshman Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1401</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1225</td>
<td>English Diction</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Sophomore Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2401</td>
<td>Piano</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1658</td>
<td>Guitar I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4226</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2402</td>
<td>Piano</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4227</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3401</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music</td>
<td>4323 or 4324</td>
<td>Conducting</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Music Learning Theory</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Physics</td>
<td>1003*</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3662</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td><strong>Computers in Musical Applications</strong></td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teaching Music Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ens.</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
### Music Education, Instrumental Concentration

**Bachelor of Music: Music Education**

#### Instrumental Concentration

<table>
<thead>
<tr>
<th>Freshman Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1656</td>
<td>Brass II</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>----------</td>
<td>----------------------------------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>++Upper Strings</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502</td>
<td>Instrumental Concentration</td>
<td>2</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano</td>
<td>1</td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Intermediate Conducting</td>
<td>1</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1654</td>
<td>++Lower Strings</td>
<td>1</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

**Junior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501</td>
<td>Instrumental Concentration</td>
<td>2</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>Music Ed</td>
<td>3662</td>
<td>Keyboard Harmony</td>
<td>3</td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
</tr>
<tr>
<td>Music</td>
<td>4324</td>
<td>Conducting (Instrumental)</td>
<td>2</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1657</td>
<td>Woodwinds II</td>
<td>1</td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teach. Mus. Exceptional Children</td>
<td>2</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>*Physics (Acoustics)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502</td>
<td>Instrumental Concentration</td>
<td>2</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>Music Elective</td>
<td>Elective</td>
<td>Music Elective</td>
<td>3</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4667</td>
<td>Teaching Instrumental Music</td>
<td>3</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4661</td>
<td>Curricular Options in Secondary School Music</td>
<td>3</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Mus. Learning</td>
<td>2</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Senior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>

**Senior Year - 2nd Semester**

© 2007, Temple University. All rights reserved.
Music Studies 4711 **Computers in Musical Applications 3 SB
Education 1196 Education and Schooling in America 3 AC
IH 1297 Intellectual Heritage II 3 IB
Core Elective #International Studies 3 IS
Core Elective #International Studies 3 IS
Subtotal 16

Degree Total 126

+ Two semesters of Marching Band are required for students whose principal instruments are woodwinds, brass, and percussion. Normally this requirement is fulfilled in the fall semester of freshman and sophomore years.

++ Violin and viola concentrations may substitute Music 4563.

* See Core Curriculum for additional first level science courses. Acoustics 1003, however, is strongly recommended. Acoustics 1003 is a prerequisite for Computers in Music Applications 4711, another strongly recommended course for education majors.

** See Core Curriculum for additional approved second level science Core courses. Computers in Music Applications 4711, however, is strongly recommended for music education majors.

# Must be approved Core courses. At least one course must be in non-Western or Third World studies.

**Music Education, Piano/Jazz Studies**

**Bachelor of Music (5 Year): Music Education**

**Piano Concentration with Jazz Studies Component**

<table>
<thead>
<tr>
<th>Freshman Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1401</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I (Traditional)</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II (Jazz)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2401</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1225</td>
<td>English Diction</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>------------------------------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1134</td>
<td>Harmony II (Jazz)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Required Electives</td>
<td>Elective</td>
<td>Jazz Electives</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3401</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Traditional)</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music</td>
<td>2211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4323 or 4324</td>
<td>Conducting</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1658</td>
<td>Guitar I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teaching. Mus. to Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>+Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation: Theory and Practice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2114</td>
<td>History of Jazz</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

### Fourth Senior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3713</td>
<td>Orchestration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Technology</td>
<td>Elective</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Music Learning</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4353</td>
<td>Teaching Choral Music</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4402</td>
<td>Piano Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1428</td>
<td>Accomp. and Piano Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3362</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Electives</td>
<td>4711</td>
<td>Jazz Electives</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Senior Project</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fourth Senior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>%%International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4713</td>
<td>Sound Recording (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4665</td>
<td>Composing Music for Film (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
<td>MIDI (Fall)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Music Synthesis (Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4714</td>
<td>Sound Editing (Spring)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

+ See Core Curriculum for additional first level course. Acoustics 1003, however, is strongly recommended. Acoustics 1003 is a prerequisite for Computers in Music Applications 4711, another strongly recommended course for music education majors.

% Nine semesters of ensembles are required; 4 semester credit hours must be earned in traditional ensembles and 4 semester hours must be earned in jazz ensembles. A mixture of vocal and instrumental ensembles is recommended.

%% Must be approved Core courses. At least one course must be in non-Western or Third World studies.

**Music Education, Instrumental Concentration with Jazz Studies**

**Bachelor of Music (5 Year): Major in Music Education**

**Instrumental Concentration with Jazz Studies Component**

**Freshman Year – 1st semester**
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I (Traditional)</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1654</td>
<td>Lower Strings</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2105</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1134</td>
<td>Harmony II Jazz</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Traditional)</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>3713</td>
<td>Orchestration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4324</td>
<td>Conducting (Instrumental)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1657</td>
<td>Woodwinds II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teach. Mus. Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation: Theory and Practice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1656</td>
<td>Brass II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Music Learning</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Fourth Year Senior – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>1003</td>
<td>*Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Fourth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3662</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4667</td>
<td>Teaching Instrumental Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2114</td>
<td>History of Jazz</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>4711</td>
<td>**Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Educ. Schooling and Ind. in U.S. Society</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
</tbody>
</table>
CORE | Elective | International Studies | 3 | IS
---|---|---|---|---
CORE | Elective | ***International Studies | 3 | IS

**Subtotal | 16**

**Degree Total | 159**

**Music Technology Electives**
- Music Studies 4713: Sound Recording (Fall)
- Music Studies 4665: Composing Music for Film (Fall)
- Music Studies 4719: MIDI (Fall)
- Music Studies 4712: Computer Music Synthesis (Spring)
- Music Studies 4714: Sound Editing (Spring)

+ Two semesters of Marching Band are required. Normally this requirement is fulfilled in the fall semester of the freshman and sophomore years. A total of nine semesters of instrumental ensembles are required; four credit hours must be earned in traditional instrumental ensembles and four credit hours must be earned in jazz instrumental ensembles. The ninth may be in either.

* See Core Curriculum for additional first level science courses. Acoustics 1003, however, is strongly recommended. Acoustics 1003 is a prerequisite for Computers in Music Applications 4711, another strongly recommended course for music education majors.

** See the Core Section of this Bulletin to see other approved second level science Core Courses. Computers in Music Applications 4711, however, is strongly recommended for music education majors.

*** Must be approved core course. At least one course must be in non-Western or Third World studies.

**Music Education, Voice Concentration with Jazz Studies**

**Bachelor of Music (5 Year): Major in Music Education**

**Voice Concentration with Jazz Studies Component**

**Freshman Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1201</td>
<td>Voice Concentration</td>
<td>2</td>
<td>RCI</td>
</tr>
<tr>
<td>Music</td>
<td>1106</td>
<td>Secondary Piano</td>
<td>1</td>
<td>AR</td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal | 17**

**Freshman Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1134</td>
<td>Harmony II (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal | 15**

**Sophomore Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2201</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>--------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Music</td>
<td>2105</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Jazz)</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1225</td>
<td>English Diction</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Required Elective</td>
<td>1001</td>
<td>+Foreign Language</td>
<td>4</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2106</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV (Jazz)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching General Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>+Foreign Language</td>
<td>4</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3201</td>
<td>Voice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4226</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III (Traditional)</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1658</td>
<td>Guitar I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>#Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4227</td>
<td>Diction Skills</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4113</td>
<td>Jazz Improvisation: Theory and Practice</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Required Electives</td>
<td></td>
<td>Jazz Electives</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teach Music to Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fourth Year Senior – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4201</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4112</td>
<td>Jazz Arranging I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1118</td>
<td>Business of Music I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Technology</td>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>----------</td>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fourth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>4202</td>
<td>Voice Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3741</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Jazz Electives</td>
<td>Elective</td>
<td>Jazz Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2114</td>
<td>History of Jazz</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Senior Project</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4324</td>
<td>Conducting Choral</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Subtotal</strong></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 1st semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>%Choral Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Jazz Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4353</td>
<td>Teaching Choral Music</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment of Musical Learning</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>#Computers in Mus. Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fifth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Total**

<table>
<thead>
<tr>
<th>Music Technology Electives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Studies</td>
<td>4713</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4665</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4714</td>
</tr>
</tbody>
</table>

% Nine semesters of vocal ensembles are required; six must be earned in traditional vocal ensembles and three must be earned in jazz vocal ensembles.

+ This program requires two semesters of Foreign Language study. If the 1003 level has been met by the Language placement exam, then one year of another language must be taken.

# See current Schedule of Classes for additional first level science courses. Acoustics 1003, however, is strongly recommended. Acoustics 1003 is a prerequisite for Computers in Music Applications 4711, another strongly recommended course for education majors.

## See current Schedule of Classes for additional approved second level science core courses. Computers in Music Applications 4711, however, is strongly recommended for music education majors.

© 2007, Temple University. All rights reserved.
Music Education, Instrumental Concentration with Music Technology Component

Bachelor of Music: Major in Music Education

**Instrumental Concentration with Music Technology Component**

<table>
<thead>
<tr>
<th>Freshman Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1655</td>
<td>Brass I</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 16

<table>
<thead>
<tr>
<th>Freshman Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1656</td>
<td>Brass II</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4665</td>
<td>Music Learning Theory</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4762</td>
<td>Music Technology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 16

<table>
<thead>
<tr>
<th>Sophomore Year – 1st semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1653</td>
<td>Upper Strings</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 17

<table>
<thead>
<tr>
<th>Sophomore Year – 2nd semester</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>+Instrumental Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1654</td>
<td>Lower Strings</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4713</td>
<td>Sound Recording (MT)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>Voice Class</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 17

© 2007, Temple University. All rights reserved.
## Junior Year – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3501</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>4324</td>
<td>Conducting (Instrumental)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Ed</td>
<td>2696</td>
<td>Teaching Gen. Music</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Music Ed</td>
<td>1652</td>
<td>Woodwinds I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3661</td>
<td>Teach Mus. Exceptional Children</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

## Junior Year – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3502</td>
<td>Instrumental Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1657</td>
<td>Woodwinds II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Core Elective</td>
<td>Elective</td>
<td>%International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Mus. Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13</strong></td>
<td></td>
</tr>
</tbody>
</table>

## Fourth Year Senior – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>%International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Music Ed</td>
<td>3662</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>1196</td>
<td>Education and Schooling in America</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4712</td>
<td>Computer Syn. of Mus.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4716</td>
<td>Comp. Mus. for Film (MT)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

## Fourth Year Senior – 2nd semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4666</td>
<td>Assessment Mus. Learning</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4661</td>
<td>Curricular Options Secondary School Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4667</td>
<td>Teaching Instrumental Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4651</td>
<td>Percussion</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>BTMM</td>
<td>3751</td>
<td>Intermediate Digital Audio</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4663</td>
<td>Interactive Multimedia (MT)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

## Fifth Year Senior – 1st semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Instrumental Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Independent Study (MT)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4664</td>
<td>Interact. Multimedia II (MT)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4719</td>
<td>MIDI (MT)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4721</td>
<td>Computer Mus. Studio (MT)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>
**Fifth Year Senior – 2nd semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4668, 4689, 4789</td>
<td>Student Teaching</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Degree Total</strong></td>
<td></td>
<td></td>
<td><strong>155</strong></td>
<td></td>
</tr>
</tbody>
</table>

+ Two semesters of Marching Band are required for students whose principal instruments are woodwinds, brass, and percussion. Normally, this requirement is fulfilled in the Fall Semester of the freshman and sophomore years.

% One International Studies course must be a non-Western or Third World course.

The above example demonstrates how the Music Technology component can be incorporated into a five-year music degree curriculum. This is only a demonstrative model and is not the only curriculum to which the component may be added. Students interested in adding the component to their curriculum should contact their respective department chair for further information and specific curriculum guidelines.

---

**Music Therapy**

Darlene Brooks, Coordinator of Undergraduate Programs  
215-204-8340  
dmbrooks@temple.edu  
www.temple.edu/musictherapy

Fully approved by the American Music Therapy Association, this bachelor's degree program is designed to prepare students for entry-level clinical positions in music therapy. Upon successful completion of the degree, graduates are eligible to take the national examination of the Certification Board for Music Therapists and thereby qualify for professional certification in the field.

**Bachelor of Music: Music Therapy**

**Freshman Year - 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1501, 1401, 1201</td>
<td>Performance Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1211</td>
<td>*Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2113</td>
<td>History of Pop</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1658</td>
<td>*Guitar I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year - 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1502, 1402, 1202</td>
<td>Performance Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Major</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>1212</td>
<td>*Voice Class</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>1659</td>
<td>*Guitar II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td>IN</td>
</tr>
<tr>
<td>Psych</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Sophomore Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2501, 2401, 2201</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2105</td>
<td>*Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3635</td>
<td>*Functional Guitar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3631</td>
<td>Functional Voice</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4611</td>
<td>Music Therapy Overview</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year - 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2502, 2402, 2202</td>
<td>Concentration</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2106</td>
<td>*Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3636</td>
<td>*Functional Guitar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3632</td>
<td>Functional Voice</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4614</td>
<td>Psychiatric Music Therapy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>3633</td>
<td>*Functional Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4615</td>
<td>Rehabilitative Music Therapy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3689</td>
<td>*MT Clinical Training</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year - 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>3634</td>
<td>*Functional Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4616</td>
<td>Developmental Music Therapy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3689</td>
<td>*MT Clinical Training</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Computers in Musical Applications</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Senior Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>3405</td>
<td>Jazz Secondary Piano</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4617</td>
<td>Medical Music Therapy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>3689</td>
<td>MT Clinical Training*</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Kinesiology</td>
<td>1223</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Psych</td>
<td>2301</td>
<td>Developmental Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Language or International Studies (Rel 1101)</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13</strong></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>4613</td>
<td>Music Therapy Foundations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music Ed</td>
<td>4696</td>
<td>Music Therapy Research</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Music Ed</td>
<td>4618</td>
<td>Music Therapy Ethics</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Psych</td>
<td>2201</td>
<td>Psychopathology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>Elective</td>
<td>Language or International Studies (Anthro 1061)</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Core</td>
<td>1476</td>
<td>American Ethnicity</td>
<td>3</td>
<td>AC, RS</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

5th Year - Senior Internship

<table>
<thead>
<tr>
<th>Department</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Ed</td>
<td>MT Clinical Training*</td>
<td>1-6</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td>1-6</td>
<td></td>
</tr>
</tbody>
</table>

Degree Total 127-132

*NOTES

Voice Concentrations

- In lieu of Voice 1211-1212 (2 s.h.), classical singers must take History of Jazz 2114 (3 s.h.); jazz singers must take Commercial Arranging 4112 (3 s.h.).
- Classical and jazz singers must take Functional Voice 3631-3632 unless waived by examination.

Piano Concentrations

- In lieu of Secondary Piano 1405, 1406, 2405 (3 s.h.), classical pianists must take History of Jazz 2114 (3 s.h.); jazz pianists must take Commercial Arranging 4112 (3 s.h.).
- In lieu of Secondary Piano 2405, 2406, classical pianists must take 2 credits of jazz piano; jazz pianists must take 2 credits of jazz electives.
- Both classical and jazz pianists must take Functional Piano 3633-3634 unless waived upon examination by instructor.

Guitar Concentrations

- In lieu of Guitar 1658, 1659 (2 s.h.), classical guitarists must take History of Jazz 2114 (3 s.h.), jazz guitarists must take Arranging 4112 (3 s.h.).
- Both classical and jazz guitarists must take Functional Guitar 3635-3636 unless waived upon examination by the instructor.

Clinical Training

- A total of 1200 hours of supervised clinical training is required prior to graduation.

Music Therapy Grades

- Grades below B- in any music therapy course may not be applied toward degree requirements in music therapy. Students may retake such courses only once, only with faculty approval. If a grade below B- is earned upon retaking the course, the student will not be permitted to continue as a music therapy major but may be eligible to change to a different curriculum.

Bachelor of Science Program
**Bachelor of Science, Major in Music**

Margo Jackson  
Assistant Director of Undergraduate Advising  
215-204-2229  
margo@temple.edu

This program is designed to prepare students for entry-level positions in such fields as library science, the publishing industry, communications, the new computer software industry, and other new and diverse areas of the music profession. Applicants must arrange to take examinations in the area of musicianship before qualifying for admission to the program. This may be done by contacting Mr. James Short (215-204-8301) at the Boyer College of Music.

### Bachelor of Science in Music Major

<table>
<thead>
<tr>
<th><strong>Freshman Year – 1st Semester</strong></th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1711</td>
<td>Theory I</td>
<td>4</td>
<td>AR</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1022</td>
<td>College Composition</td>
<td>3</td>
<td>RC</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
<td></td>
</tr>
<tr>
<td>Related Arts</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Freshman Year – 2nd Semester</strong></th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>1406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>1712</td>
<td>Theory II</td>
<td>4</td>
<td>IA</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Math</td>
<td>3</td>
<td>QA</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4715</td>
<td>World Music</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sophomore Year – 1st Semester</strong></th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2405</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2711</td>
<td>Theory III</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2703</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1001</td>
<td>Foreign Language</td>
<td>4</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1003</td>
<td>Physics (Acoustics)</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sophomore Year – 2nd Semester</strong></th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>2406</td>
<td>Secondary Piano for Music Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2712</td>
<td>Theory IV</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>2704</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1002</td>
<td>Foreign Language</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Junior Year – 1st Semester</strong></th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>------------</td>
<td>-----------------------------------------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Junior Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2323</td>
<td>Basic Conducting</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3696</td>
<td>Music in History</td>
<td>3</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3713</td>
<td>Orchestration</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>1003</td>
<td>Foreign Language</td>
<td>3</td>
<td>IS</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>American Culture/Race</td>
<td>3</td>
<td>AC/RS</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Academic Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>Varies</td>
<td>Choral Ensemble</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>2324</td>
<td>Conducting Intermediate</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4717</td>
<td>Counterpoint</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>3741</td>
<td>Keyboard Harmony</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2001</td>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>Elective</td>
<td>Music in History</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4711</td>
<td>Science B/Computers in Mus. Appl.</td>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>4718</td>
<td>Analysis</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Music Electives</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Studies</td>
<td>Elective</td>
<td>Music Theory</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>Elective</td>
<td>Academic Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Degree Total</strong></td>
<td></td>
<td></td>
<td><strong>124</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Department of Dance General Information**

Founded 1974

Dr. Robert T. Stroker, Dean
Temple University Department of Dance
1700 North Broad Street
Philadelphia, PA 19122-0843
Mission
The Temple University Department of Dance is committed to artistic and academic excellence in a socially-inclusive environment that affirms dance as central to society and culture. We value dance as a performing art manifested artistically, culturally, and personally, and we embrace dance as a vehicle for social change. The department’s artistic, scholarly, and educational work is based on the premise that the physical dimensions of human experience are indivisible from their intellectual and spiritual counterparts.

Accreditation
Full accredited Member of the National Association of Schools of Dance (NASD).

Admissions
Admission into the dance major program requires three items:

1. A general university application submitted to the Office of Undergraduate Admissions;
2. A dance application submitted to the Department of Dance; and,
3. Attendance at an audition located on Temple University Main Campus in Philadelphia.

A dance audition cannot be scheduled until the general university application has been submitted to the Office of Undergraduate Admissions and the Dance Admissions Office receives the completed dance application. Please note that Temple University will not make an admission decision until applicants attend a dance audition.

The dance audition consists of technique classes divided into sections of ballet, modern, and African dance; a one-two minute solo of an applicant’s own choreography; and an interview. The faculty attempts to choose students with physical, artistic, and intellectual potential to enter and complete the dance program and the University Core. The faculty is concerned that potential students’ goals and aspirations are supported by the department philosophy, maximizing success in the program.

For additional information regarding dance admissions and for an application, please visit: www.temple.edu/boyer/dance

Financial Aid
Entering Student Scholarships are offered by the Dance Department following successful entrance auditions and are based on artistic talent and potential for success in the dance curriculum. No separate application is necessary. Awards range from $1,000-$2,500 and are for one year only.

Awards
B.F.A. Performance Award - Honors a graduating B.F.A. student who has demonstrated excellence in dance performance during the academic year.
B.F.A. Choreography Award - Honors a graduating B.F.A. student who has demonstrated excellence in choreography during the academic year.
B.F.A. Scholar Award - Honors a graduating B.F.A. student who has demonstrated excellence in overall academic achievement during the academic year.

Dance Academic Advising Center
Professor Philip Grosser
Undergraduate Coordinator
1700 N. Broad St. Room 309
215-204-1942
pgrosser@temple.edu

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status. It is not the responsibility of the advisor to monitor the academic rosters of individual students for errors in registration.
Dance Program Academic Policies

Please see the Undergraduate Academic Policies. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the Boyer College of Music, Department of Dance, appear below.

Leave of Absence:
Students must submit a written proposal to the B.F.A. Coordinator no later than three months in advance of the semester in which the leave is to take place, stating the reason(s) why the leave is necessary. A Leave of Absence must be authorized by the dance faculty. Leaves of Absence are approved for one semester only and will not be granted more than one time during the student’s academic program.

Injury Policy:
An injury may affect a student’s ability to continue successfully in a course. A student who is injured is expected immediately to contact the assigned instructor to discuss the possibility of continuance in the course.

Dance Technique Placement Class:
All entering and returning undergraduates are required to attend a modern and ballet technique placement class in the beginning of each semester. Students who do not attend the placement class will be subject to automatic placement in a class by the dance faculty.

Independent Study and Field Experience:
Students who wish to register for Independent Study or Field Experience must submit a written proposal to the B.F.A. Coordinator no later than two months in advance of the semester in which the study is to be accomplished. A student who is on academic probation may not register for Independent Study or Field Experience. Credits will not be granted retroactively, and no more than 4 credits will be awarded over the course of a student’s undergraduate study.

Full-Time/Part-Time Status:
The semester load for full-time undergraduate students is 17 credits. Undergraduate students must carry at least 12 credit hours to be classified as full-time. The B.F.A. program in Dance requires matriculated students to attend on a full-time basis each semester. Students who have been full-time for at least four semesters may petition the B.F.A. Coordinator no later than two months in advance for approval to enroll in the subsequent semester on a part-time basis. All requests for part-time status must be approved by the dance faculty. Part-time status is granted for one semester only. Students who are on academic probation are not eligible for part-time status. If a student is granted part-time status and is then placed on academic probation, part-time status will be revoked.

Academic Overloads (18 or more semester hours):
Academic overloads need special approval from the B.F.A. Coordinator. Students who are on academic probation are not eligible for academic overloads.

First Year Program Review:
At the end of the freshman year, each student’s progress will be formally evaluated in the following categories to determine suitability for continued study within the dance program.

Academic Progress:

- Students must maintain a 2.5 minimum average in dance courses each semester.
- Students must maintain a 2.25 minimum overall average each semester.
- No more than one grade below B- in a dance course is permitted.
- No withdrawals or incompletes in dance courses are permitted.
- At least one semester of production requirement must be completed.

The following courses must be completed:
1. Dance 1801: Movement Sources and Concepts
2. Dance 1813: Freshman Repertory
3. Dance 1811: Movement Improvisation I
4. At least three modern technique classes
5. At least two ballet technique classes

Artistic Progress:

Technical Growth: Students must be able to apply, demonstrate, and verbally articulate conceptual understanding of alignment, strength, and mobility. They must be able to learn and successfully perform movement phrases that deal with the following elements either singly or in simple combinations:

1. Rhythmic pattern
2. Change of direction
3. Spatial pathways
4. Peripheral and central movement initiation
5. Contrasts in energy qualities

Improvisation: Students must demonstrate their ability spontaneously to create solo movement and demonstrate their understanding of basic partnering techniques and improvising in groups. Students will be able to generate movement material which both explores and expands their expressive range as dancers.

Creative Engagement:

1. Students must participate in one student performance or audition one finished work for the student concert;
2. Students must demonstrate consistent attendance, focus, intellectual curiosity, and openness to new approaches, as reflected in faculty evaluations of student course work;
3. Students must demonstrate receptivity to feedback and in-class evaluation from instructors, and apply this information in subsequent work; and,
4. Students are expected to maintain positive professional interactions with peers and faculty.

Second Year Program Review:

At the end of the second year, each student's progress will be evaluated in the following categories to determine suitability for continued study within the dance program. As part of this process, students will submit an essay in which they assess their artistic and professional development within the curriculum.

Academic Progress:

• Students must maintain a 2.5 minimum average in dance courses each semester.
• Students must maintain a 2.25 minimum overall average each semester.
• No more than one grade below B- in a dance course is permitted.
• No withdrawals or incompletes in dance courses are permitted.
• Both semesters of production requirement must be completed.
• Successful completion of the following dance courses, in addition to those listed for the first year review:

1. Dance 2813: Dance Composition I
2. Dance 2814: Dance Composition II
3. Dance 2796 & 2896: Dance Modernism and Dance Post-modernism
4. At least four more modern technique classes. (Note: By the end of the second year, students must minimally be ready to enter Modern Dance Level III.)
5. At least two more elective technique classes

Artistic Progress:

Technical Growth: Students must demonstrate awareness of postural alignment issues and articulate personal strategies for addressing them. Alignment and strength must be demonstrated in demi and grande plie in first and second positions and in movement sequences through space. Evidence of adequate progress in these areas will be provided through faculty evaluations of student class work and in faculty progress reports submitted for the Second Year Review.

Students must demonstrate:

• The ability to mobilize the spine over a stable base, the ability to execute leg gestures without disrupting spinal alignment;
• The ability to learn and perform movement phrases that deal with the following elements at increasing levels of complexity: stamina, elevation, level changes, balance, and falls;
• Rhythmic patterns: the ability to work with shifting accents;
• Changes in direction and level, simple turns;
• Spatial pathways, ability to reverse combinations;
• Peripheral and central movement initiation, breath, flow, momentum; and,
• Increasingly refined articulation of energy qualities and phrasing.

**Choreography:** Students must be able to create and perform a dance that:

• Successfully communicates an idea of personal significance;
• Demonstrates the ability to develop thematic movement material;
• Investigates movement imaginatively;
• Explores a range of dynamic qualities; and,
• Reflects a basic understanding of choreographic structure.

Students must also be able to discuss their work and the process by which they created it.

**Creative Engagement:**

• By the end of the sophomore year, students must have either auditioned two pieces of their choreography for a student concert or performed in two student works;
• In class, students must demonstrate consistent attendance, focus, intellectual curiosity, and openness to new approaches and as reflected in faculty evaluations of student course work;
• Students must demonstrate receptivity to feedback and in-class evaluations from instructors, and apply this information in subsequent work;
• Students are expected to maintain positive, professional interactions with peers and faculty; and,
• Students are expected to participate in one audition or recruitment event.

**Dance Composition Sequence**
All students must enroll in the following courses in sequence: Dance Composition I, Dance Composition II, Dance Composition III, and Creative Process. These courses may not be taken out of sequence and may not be taken during the same semester. All of the above courses must be successfully completed before a student can register for Senior Choreographic Projects.

**Dance Technique**
Freshman dance majors must register for three modern technique classes and two ballet technique classes in the first year. Sophomore dance majors must register for modern technique at least four days a week. Junior and senior dance majors are required to be in technique classes at least four days a week and are required to register for at least one modern dance course each semester. If a student fails to register for a modern technique class in any semester, he or she will be placed on academic probation.

In addition, students must fulfill a minimum of 6 credits in a secondary technique (ballet, jazz, or improvisation). Three African technique classes can also fulfill the secondary technique requirement. Students are also required to register for one African dance class by the time of graduation and two semesters of ballet technique during the first year of coursework.

**General College Graduation Requirements**

1. Dance required GPA for graduation: 2.25 cumulative, 2.5 in dance major
2. Dance Contact Information: 1700 N. Broad St. Room 309, 215-204-8710
3. Dance Requirements: Please see dance program of study
4. Special Course Sequence: Dance Composition I, Dance Composition II, Dance Composition III, and Creative Process.

• Must be taken in the above sequence
• Cannot be taken out of order or during the same semester
• All must be completed before students register for Senior Choreographic Projects.

© 2007, Temple University. All rights reserved.
**Important Student Contact Information**

Contact information for Academic Departments can be found under the listing for each individual program, in the preceding section, [Boyer College of Music and Department of Dance Programs](#).

**Dance Department:**

**Department Chairperson**
Dr. Kariamu Welsh
1700 N. Broad St. Room 309
215-204-6286
kariamu@temple.edu

**Dance Admissions**
Tania Y. Ramos Otón
1700 N. Broad St. Room 309
215-204-5169
danceadm@temple.edu

**Department Secretary**
Cheryl Cummings
1700 N. Broad St. Room 309
215-204-6279
cherylc@temple.edu

**Technical Director/Conwell Dance Theater**
Nanette Hudson Joyce
1700 N. Broad St. Room 309
215-204-6177
njoyce@temple.edu

**Office Manager**
Lynne Schaefer
1700 N. Broad St. Room 309
215-204-0533
lynne.schaefer@temple.edu

**Faculty**

**Dance Department (Full-time Faculty):**
Dr. Karen Bond, Associate Professor, Ed.M. Program Coordinator.
Eva Gholson, Professor.
Philip Grosser, Professor, B.F.A. Program Coordinator.
Dr. Luke Kahlich, Professor, Ph.D. Program Coordinator.
Kun-Yang Lin, Assistant Professor.
Dr. Joellen Meglin, Associate Professor.
Merian Soto, Associate Professor, M.F.A. Program Coordinator.
Keith Thompson, Assistant Professor.
Dr. Kariamu Welsh, Professor, Dance Department Chairperson.

Faculty contact information and biographies can be found at: [www.temple.edu/boyer/dance](http://www.temple.edu/boyer/dance)

**Dance Department (Administration):**
Cheryl Cummings, Department Secretary.
Tania Y. Ramos Otón, Dance Admissions Coordinator.
Lynne Schaefer, Office Manager.
Nanette Hudson Joyce, Technical Director/Conwell Dance Theater.

**Dance Description**
# Bachelor of Fine Arts: Dance

## Freshman Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1801</td>
<td>Movement, Sources and Concepts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1813</td>
<td>Freshmen Repertory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1819</td>
<td>Dance Production</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1815</td>
<td>Modern Dance Technique IIa</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1832</td>
<td>Ballet Technique</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
</tbody>
</table>

**Subtotal** 17

## Freshman Year - 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1811</td>
<td>Movement Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1815</td>
<td>Modern Dance Technique IIa</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2815</td>
<td>Modern Dance Technique</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1832</td>
<td>Ballet Technique</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td></td>
<td>Technique Elective</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>1012</td>
<td>College Mathematics</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage A</td>
<td>3</td>
<td>IA</td>
</tr>
</tbody>
</table>

**Subtotal** 16-17

## Sophomore Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>2823</td>
<td>Dance Composition I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2796</td>
<td>Dance Modernism</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Dance</td>
<td>1815</td>
<td>Modern Dance Technique IIa</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td></td>
<td>Modern Dance Technique</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage B</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science A</td>
<td>4</td>
<td>SA</td>
</tr>
</tbody>
</table>

**Subtotal** 16-17

## Sophomore Year - 2nd Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>2814</td>
<td>Dance Composition II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2896</td>
<td>Dance Post-Modernism</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Dance</td>
<td>2815</td>
<td>Modern Dance Technique III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td></td>
<td>Modern Dance Technique III</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td></td>
<td>Technique Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science B</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
</tbody>
</table>

**Subtotal** 18

## Junior Year - 1st Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>3815</td>
<td>Dance Composition</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------------</td>
<td>----------</td>
<td>-----------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Dance</td>
<td>1816</td>
<td>Rhythmic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2815</td>
<td>Modern Dance Technique III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>Elective</td>
<td>Technique Elective</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Arts Core</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>15-17</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year - 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>3812</td>
<td>Creative Process</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3815</td>
<td>Lighting Design for Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3817</td>
<td>Modern Dance Technique</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>Elective</td>
<td>Technique Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>International Studies</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Race Studies</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year - 1st Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>4896</td>
<td>Senior Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Dance</td>
<td>4831</td>
<td>Laban Movement Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2904</td>
<td>Dance in Human Society</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Dance</td>
<td>Varies</td>
<td>Modern Dance Technique</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>Elective</td>
<td>Technique Elective</td>
<td>2-6</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13-18</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year - 2nd Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>4884</td>
<td>Senior Concert</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2853</td>
<td>African Dance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4874</td>
<td>Dance Repertory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>varies</td>
<td>Modern Dance Technique Level IV</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>Elective</td>
<td>Dance Electives</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>10-16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE TOTAL**

|                |          |                                         | **125-129** |    |

• The total number of credit hours may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
• Certain courses fulfill multiple requirements. In consultation with an academic advisor, students will be able to plan their curriculum more effectively.
• Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisite and Co-Requisite Policy in University-wide Academic Policies in the Bulletin.

The Bachelor of Fine Arts in Dance emphasizes modern dance technique, performance, and choreography. The program provides a sound preparation for students wishing to pursue further training or embark on a professional career. Within the curriculum, students may elect courses that prepare them for work and/or further study in the fields of physical therapy, dance/movement therapy, dance production, education, and arts management. The B.F.A. provides students with the opportunity to master a range of dance techniques, choreography, production, and theory, and to study other arts, sciences, and humanities.

**The degree program in dance aims to:**

• Guide students toward a balance of cognitive, analytic, intuitive, and creative skills;
• Aid students in development of their creative potential through technique, choreography, performance, research, and other creative media;
• Educate students about the various forms and purposes of dance within their historical, social, and cultural contexts;
• Provide intensive training in a range of dance techniques and styles as represented by the faculty and selected guest artists; and,
• Prepare students for professional careers as performing artists, choreographers, teachers, scholars, and informed and responsible leaders in academic and other professional settings.

The Bachelor of Fine Arts degree in Dance is conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 125 semester hours of credit and completion of the required Dance and University Core requirements.

Dance Resources: The Dance Department, with its three studios, rehearsal room, Pilates and Dance Medicine Clinic, black-box theater, video library, and assorted classrooms, embraces a broad array of activities. The Philadelphia Dance Collection at Temple University (PDCAT) provides access to the dance legacy of the region through a permanent collection of multi-format archival resources related to the history of Philadelphia dance.

Special Opportunities: The Conwell Dance Theater season provides many opportunities for students to perform and choreograph. A typical season features two student concerts, two Master of Fine Arts thesis concerts, two Bachelor of Fine Arts senior concerts, a faculty dance concert, and an alumni concert. Added to this are performances by guest artists, repertory showings, and informal student choreography performances. Recent guest artists have included Donna Uchizono; Sean Curren; Cornelius Carter; Ruth Andrien, former soloist with the Paul Taylor Dance Company; and Nina Watt, member of the Jose Limon Dance Company.

Requirements for the Dance Major

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1801</td>
<td>Movement, Sources and Concepts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3876</td>
<td>Rhythmic Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2904</td>
<td>Dance in Human Society-Honors</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Dance</td>
<td>4831</td>
<td>Introduction to Laban Movement Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1819</td>
<td>Dance Production</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3851</td>
<td>Lighting Design for Dance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3812</td>
<td>Creative Process in Dance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2796</td>
<td>Dance Modernism</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Dance</td>
<td>2896</td>
<td>Dance Post-modernism</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Dance</td>
<td>4896</td>
<td>Senior Seminar</td>
<td>3</td>
<td>WI*</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>28</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Indicates Writing Capstone for major

Dance - Required Techniques**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1814</td>
<td>Modern Dance Level II A</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1815</td>
<td>Modern Dance Level II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2815</td>
<td>Modern Dance Level III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2816</td>
<td>Modern Dance Level III</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3817</td>
<td>Modern Dance Level IV</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3818</td>
<td>Modern Dance Level IV</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4819</td>
<td>Modern Dance Level V</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1832</td>
<td>Classical Ballet Level II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2832</td>
<td>Classical Ballet Level III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3832</td>
<td>Classical Ballet Level IV</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1804</td>
<td>Jazz Dance Level I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4842</td>
<td>Jazz Dance Level II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4843</td>
<td>Jazz Dance Level III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2853</td>
<td>African Dance Level I</td>
<td>1-3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3853</td>
<td>African Dance Level II</td>
<td>1-3</td>
<td></td>
</tr>
</tbody>
</table>
**Note on Required Dance Techniques:** Freshman dance majors are required to take four modern technique courses and two ballet technique courses. Sophomore dance majors are required to take four modern technique courses. Junior and senior dance majors must be in technique class four days a week and are required to register for at least one modern dance course each semester. In addition, students are required to choose a minimum total of 6 credits in a second technique, which could include: ballet, jazz, improvisation, or African dance. Students are also required to take one semester of African technique. Because of these multiple requirements, the minimum required hours is not a mathematical total of the courses listed above it.

### Performance and Choreography Required Courses

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1811</td>
<td>Movement Improvisation I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2813</td>
<td>Dance Composition I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2814</td>
<td>Dance Composition II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3815</td>
<td>Dance Composition III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>1813</td>
<td>Freshman Repertory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4874</td>
<td>Dance Repertory or</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>African Dance Repertory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4811</td>
<td>Senior Choreographic Projects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

### Required University Core

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Quantitative Reasoning, Level I</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Quantitative Reasoning, Level II</td>
<td>3</td>
<td>QB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>American Culture</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Arts (Cannot take Dance 2801: Entry to Dance as Art or Dance 2802: Pathways in American Dance)</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Individual and Society</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Studies in Race</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science and Technology, Level I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Science and Technology, Level II (Dance 4861: Dance Science and Somatics is recommended*)</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>CORE</td>
<td>Elective</td>
<td>Two International Studies Courses (Dance 2904: Dance in Human Society satisfies IS requirement, Non Western)</td>
<td>6</td>
<td>IS</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

*See your dance advisor.

### Dance and Other Electives***

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dance</td>
<td>1807</td>
<td>Hatha Yoga I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4871</td>
<td>Movement Improvisation II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>2805</td>
<td>Dance, Movement and Pluralism</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td>Dance</td>
<td>3811</td>
<td>Field Experience in Dance</td>
<td>1-8</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>3882</td>
<td>Independent Study in Dance</td>
<td>1-4</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4875</td>
<td>Contact Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4861</td>
<td>Dance Science and Somatics*</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal (Dance and/or Other Discipline -- Minimum Required Hours)</td>
<td></td>
<td>13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Dance or Other Electives: Remaining credits can be used for electives within the Dance Department or for courses in other academic areas. Within the department, students can take dance technique courses listed above or dance academic courses.

*See your dance advisor.

** COLLEGE OF SCIENCE & TECHNOLOGY **

Founded 1998

Hai-Lung Dai, Dean
A411 Barton Hall
1900 N. 13th Street
215-204-2888
www.temple.edu/cst
cst@temple.edu

Introduction

Science and technology have been responsible for a profound transformation of the world in the twentieth century and will drive the economy of the twenty-first century. The objectives of the undergraduate programs of the College of Science and Technology are to prepare students for careers in these important areas and to graduate informed, responsible citizens.

The College approaches science and technology as a body of knowledge that has an advancing frontier and a complex interface with society. The traditional mandate for a university is to provide undergraduate students with a comprehensive education and the opportunity to focus closely on a particular area of study. The College of Science and Technology embraces this mandate and extends additional opportunities to our students. Science and Technology students are encouraged to participate in faculty research projects and thus experience the advancement of this body of knowledge.

Bachelor of Science programs offer a greater concentration in major coursework, while Bachelor of Arts programs offer a greater variety of coursework. All programs offer undergraduates the opportunity to work with distinguished faculty and a richly-diverse and stimulating student body as they prepare for active roles in society.

Mission Statement

The mission of the College of Science and Technology is to provide students with the best possible resources for learning. The College's preeminent faculty, laboratories, and research facilities offer students the means necessary to excel in their academic endeavors. The College focuses on integrating the most advanced technology with fundamental concepts in a hands-on learning environment to prepare students for an active role as informed, responsible individuals for continued professional and personal success.

Admissions

See Undergraduate Admissions for more details.

Financial Aid/Scholarships

See Financial Information: Scholarships & Grants for more details.

Special Programs:

Study Abroad

See International Programs in the Opportunities section of this Bulletin and Temple University's Study Abroad website at www.temple.edu/studyabroad for more information about study abroad options.

University Honors Program

Students in the College of Science and Technology may apply to the University Honors Program. Honors students are eligible to enroll in CST honors courses, provided that they have satisfied the prerequisites and co-requisites. Honors courses are designated with a 9 as the second digit in the four digit number, e.g. Mathematics 1941 is Honors Calculus I. See Academic Opportunities: University Honors Program for more information.
Five-Year Master’s Programs and Teacher Certification

The Biology, Chemistry, Geology, Mathematics, and Physics Departments enable talented students to complete both a bachelor's degree in one of the above departments and a master's degree in Education in five years.

Students who want to combine teacher certification with a major in one of these areas may take a minor in Education during their undergraduate study. After earning a bachelor's degree in one of the aforementioned disciplines, students spend an additional year as a graduate student in the College of Education. Students who complete this program earn a Master of Education degree and are certified to teach in Pennsylvania schools. See the College of Education for more details.

Early Admission to Professional Programs

Students in the College of Science and Technology who have been admitted to health-related professional schools at the end of their third year and have completed 90 semester hours, including all requirements of the College and of their majors with a cumulative GPA of at least 3.5, may petition the Dean for the transfer of their first year in professional study toward the completion of the requirements for the degree of Bachelor of Arts.

Awards and Achievements:

Awards

Juniors and seniors are often honored for outstanding performance in a variety of academic areas and for exceptional service to the College and the University. Information about these awards is available in departmental offices or in the Office of Student Services, 1810 Liacouras Walk, Room 203.

Phi Beta Kappa

See Supplemental Educational Opportunities: Honor Societies: Phi Beta Kappa.

Student Associations:

Majors' Associations

Many of the departments within the College of Science and Technology support student interest organizations known as Majors’ Associations or Societies. Each department organization provides an opportunity for students to interact with faculty and other students who share similar interests. It is through these venues that students may influence course offerings, faculty recruitment, and departmental policy.

- Temple University Biology Society
- Temple University Chemistry Society
- Association for Computing Machinery (CIS and IS&T)
- Geology Society
- Temple's Society for Undergraduate Mathematics
- Temple University Physics Society

Academic Advising

The Office of Student Services
1810 Liacouras Walk
Suite 203
215-204-2890

The Office of Student Services in the College of Science and Technology guides students from new student orientation through graduation to ensure that they complete all degree requirements and work to their fullest potential. Faculty advisors in each major use their knowledge of departmental curriculum to help students choose courses consistent with their specific career objectives.

Specialized services offered by this office include:

- **New Student Orientation**—Individual advising and registration appointments for all newly-admitted first-semester freshmen and transfer students.
• **Advising and Registration Services**—Students may want to meet with professional advisors at different times during their academic career to check on remaining graduation requirements. The walk-in and advising-by-appointment schedule is available at [www.temple.edu/cst/ossofficehours.html](http://www.temple.edu/cst/ossofficehours.html). Registration with an advisor is required for students with a cumulative or last semester attended or major/track GPA below 2.0 and for any students registering for 18 or more credits. Newly-admitted or readmitted students are also required to meet with an advisor for registration.

• **Petitions for Exception to Policy**—Petitions are reviewed on a rolling basis by the Director and Assistant Director of Student Services. Typical petition requests include those for overload approval, for attending another institution for a semester or summer session, and for curriculum exceptions.

### Departmental Advising

After their New Student Orientation advising and registration session, students who have declared majors will have their academic credentials copied and forwarded to their major department for subsequent advising by faculty advisors. (An original file is maintained at the collegiate level in the Office of Student Services.) Faculty advising is very important in developing ties between a student's academic program and his or her professional goals. Faculty advisors may assist students in finding research opportunities and professional internships and will help students choose courses that will best prepare them for their field of interest within a particular discipline.

### Academic Advising and Student's Responsibility

All academic advisors are trained to read and evaluate information carefully to give students the best possible advice. However, primary responsibility for curriculum completion rests with the student. Every student must be aware of the requirements of his or her degree and should obtain advising on a regular basis to ensure timely completion of his or her program.

### Student Advisors/Ombudspersons

Each department in the College of Science and Technology has a Student Advisor/Ombudsperson (SA/O) who is a qualified undergraduate student in that department. The SA/O is thoroughly familiar with requirements and curricula of the department and can competently advise fellow students on the courses and faculty members of the department. He or she also has information about career options for the department's graduates.

### Student Grievance Procedure

The SA/O is familiar with the College of Science and Technology Grievance Procedure and is the first person to consult in case of an academic grievance. The SA/O will serve as a student-faculty liaison and attempt to resolve the grievance. A student must initiate this first stage of the academic grievance procedure no later than thirty days after the beginning of the fall or spring semester immediately following the completion of the course in which the grievance occurred. A copy of the College of Science and Technology grievance procedure can be obtained from the SA/O. Each SA/O has an office in his or her department, and the SA/O program coordinator is located in the Office of Student Services.

### Continuing Student Registration

Continuing student registration is the period during the fall and spring semesters when currently-enrolled students should register. Degree Audit Reports (DARS) provide a compact summary of a student's progress toward a degree, including a list of requirements yet to be completed. Eligible students obtain their DARS documents via OWLnet.

Prior to processing their registrations, freshmen are strongly recommended to meet with advisors to review their DARS documents and discuss course selections for the upcoming semester. New transfer students and continuing students in good academic standing are encouraged to meet with their departmental advisors before processing their schedules via OWLnet. Students ineligible to use OWLnet are required to meet with an advisor.

### Pre-Professional Advising

Students intending to apply to a school of pharmacy should reside in the College of Science and Technology. The curriculum and advising of these students are specifically tailored to fulfill the prerequisites set forth by the Temple University School of Pharmacy. **Pre-pharmacy students must declare a major upon completion of 30 credits.**

Many of the courses required by professional programs such as dentistry, medicine, pharmacy, and veterinary medicine are incorporated into College of Science and Technology curricula. This approach allows our students to fulfill degree requirements, while at the same time meeting admissions criteria for professional and graduate programs.

Knowledge gained in the College of Science and Technology curricula provides the foundation needed in preparing for Professional School entrance exams.

© 2007, Temple University. All rights reserved.
Academic Policies and Regulations

Please see the Undergraduate Academic Policies and Regulations in this Bulletin. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the College of Science and Technology (CST), appear below.

Academic Hold

Any CST student who receives a grade below C- in a course required for the major shall be placed on "academic hold" and directed to see a department or CST advisor before the priority registration period of the subsequent semester. Students will not be eligible for priority registration until they have had the "academic hold" removed by a CST or departmental advisor.

Adding or Changing Majors or Minors

CST Students:

In order to add or change majors or minors within the College of Science and Technology (CST), a CST student must meet with an advisor in the CST's Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. CST students in their first semester at Temple University who wish to add or change majors or minors within the CST will be automatically approved, provided they are taking or have satisfied a core-level Mathematics course.

2. Continuing CST students who wish to add or change to declared majors or minors within the CST must have a cumulative grade point average (GPA) of 2.00 or higher. Continuing CST students who wish to change their major to undeclared will be automatically approved, provided that the total of completed and registered credits is fewer than 60 credits.

Non-CST Students:

In order to add or change majors or minors within the College of Science and Technology (CST), a non-CST student must meet with an advisor in the CST's Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. Students in their first semester at Temple University who wish to add a minor or second major within the CST will be automatically approved, provided they are taking or have satisfied a core-level Mathematics course.

2. Continuing students who wish to add a minor or second major within the CST must have a cumulative grade point average (GPA) of 2.00 or higher and must have completed a course in their proposed major or minor with a grade of C (2.0) or better.

Course Eligibility

The College of Science and Technology offers two types of undergraduate courses:

1. Lower-Level courses numbered 1000-1999: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.

2. Upper-Level courses numbered 2000-4999: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.

Co-Requisites and Prerequisites

Students may be de-enrolled from courses for which they do not meet prerequisites and co-requisites.

Courses Over Five Years Old

In admitting transfer or returning students, the College of Science and Technology will, when possible, allow credit for courses taken five or more years prior to the date of admission or readmission. The College of Science and Technology may choose not to accept courses regardless of age for credit in the major. Courses of a technical nature or courses in a particularly dynamic field may not be accepted for credit.

Final determination of the acceptability of such courses is the responsibility of the Office of Student Services and generally occurs after the student has matriculated or been rematriculated.
CST Program Performance
Students must maintain a 2.00 cumulative GPA in their major or track and make satisfactory progress toward their CST degrees to remain in good academic standing in the college. Students who are not in good academic standing in the College at the end of a semester will be placed on warning for the following semester. Students who are not in good academic standing in the College at the completion of that following semester may be dropped from the CST programs.

Dean's List
During a fall or spring semester, a full-time student must:

1. Pass 12 or more credits applicable to graduation, excluding any CR and P grades during that semester.
2. Not receive any I, W, MG, or NR grades during that semester.
3. Achieve a grade point average of 3.5 or higher during that semester.

During a fall and following spring semester, a part-time student must maintain the above criteria for 12 or more credits spread over two consecutive semesters.

Grading
Major, Minor, and Core courses must be completed with a letter grade of C- or higher unless otherwise specified. Certain courses require a C or better in order to advance to the next level.

Graduation Procedures
All College of Science and Technology students are required to complete a graduation review with an advisor in the Office of Student Services prior to the first semester of their senior year. Students should schedule a review once they have completed 90 semester hours. The graduation review involves a detailing of the courses and credits completed and those that remain to be completed for graduation. Once a professional advisor completes the review, the Office of Student Services forwards the review to the student's department for the faculty advisor's approval.

Intra-University Transfer
In order to transfer into the College of Science and Technology, a student must meet with an advisor in the Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. Students in their first semester at Temple University who wish to transfer into the College of Science and Technology will be automatically approved, provided that they are taking a core-level Mathematics course or have satisfied the core Mathematics requirement.

2. Continuing students who wish to transfer into the College of Science and Technology must have a cumulative grade point average (GPA) of 2.00 or higher and must have completed both a core-level Mathematics course and a core-level Science (or additional core level Mathematics) course, both with a grade of C or better.

Students approved for an IUT (Intra-University Transfer) must comply with the major requirements effective during the applicable semester of transfer and attend an IUT orientation.

Notice of Anticipation of Graduation
Early in the semester in which students will complete their degree requirements, they must notify the Office of Student Services in writing of their intent to graduate by completing a graduation application. Graduation applications are available at the Office of Student Services. The deadlines for returning the application are:

- October 15, 2007, for fall semester 2007
- February 14, 2008, for spring semester 2008
- June 2, 2008, for second summer semester 2008

Overload Requests
Students in the College of Science and Technology must petition for approval of an overload when they request to take more than 17 credits in either the fall or spring semesters or more than 8 credits in either summer session. The following items are considered when reviewing an overload petition:

- Minimum 2.75 GPA overall and in the last semester of graded coursework.*
• The number of credits completed in previous semesters.
• The number of science and math courses taken previously in each semester.
• The amount of credits requested.*
• The type of courses requested. The office focuses particularly on the number of science and math courses in the student’s proposed roster.

*Each petition will be reviewed individually based on the number of credits requested.

**Permission to Take Courses at Another Institution**

Students in the College of Science and Technology who wish to take courses at another institution must petition the Office of Student Services for approval prior to enrolling in such a course. Petition forms are available in the Office of Student Services, 1810 Liacouras Walk, Room 203. The student is responsible for obtaining a course description from the other institution and attaching it to the petition form. The student takes the petition to the corresponding Temple department for faculty review and then submits the petition to the Office of Student Services for final approval. Courses taken without prior approval will not be applied toward graduation. Requests from matriculated Temple students to take courses at another institution within commuting distance (less than fifty miles away from Temple’s main campus) will not be approved unless there is a compelling academic justification.

At least 30 of the last 45 semester hours of coursework must be completed at Temple University, and at least half of the courses required in the department of the major must be taken at Temple. In order for a student to receive University Honors, at least 60 credits must be completed at Temple University.

**Placement Tests**

All incoming freshmen must take diagnostic English and mathematics placement tests. Transfer students who have not completed English 1002 or the appropriate college-level math course for their major are also required to take placement examinations. The results of these tests determine if students are required to enroll in preparatory composition and mathematics courses. Students assigned to English 0701 or 0711 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0701 or 0711 can such students enroll in English 1002 or 1012. Students assigned to courses designed to remedy deficiencies in mathematics are required to complete those courses before enrolling in higher mathematics. Incoming students must also take a foreign language placement examination if they plan to continue a language previously studied or if they wish to place out of the foreign language requirement.

**Plagiarism and Academic Cheating**

Plagiarism and academic cheating are prohibited by the College of Science and Technology. The development of independent thought and a respect for the thoughts of others is essential to intellectual growth. The prohibition of plagiarism and cheating is intended to foster this independence and respect. See Academic Policies in this Bulletin.

The penalty for plagiarism or cheating as a first offense is normally an F in the course in which the offense is committed. In such cases, the instructor writes a report to the Dean and the University Disciplinary Committee. The University Disciplinary Committee adjudicates all cases and student appeals.

**Pre-Pharmacy Track Students**

Pre-Pharmacy track students must declare a primary major upon completion of 30 credits. Students who have completed 30 credits without declaring a primary major will have a hold placed on their record that will prevent them from registering. Students must meet with an advisor to declare a major in order to have the hold removed.

**Prerequisites and Co-requisites**

Students may be de-enrolled from courses for which they do not meet prerequisites and co-requisites.

**Readmission to the College of Science and Technology**

College of Science and Technology students are required to submit an application for readmission after one full semester (fall or spring) of non-attendance. Any student who has not attended for five or more years must follow the major requirements that are in place at the time of readmission. The deadline for application to readmit for the fall semester is July 1; the deadline to readmit for the spring semester is November 1, and the deadline for summer semester I and II is April 1. Also see the policy on University Warning, Probation, Dismissal, and Reinstatement.
Undeclared Majors
After completing 30 credits, undeclared majors in the College of Science and Technology will be notified that they need to select a major. Students who have completed 60 credits without declaring a major will have a hold placed on their record that will prevent them from registering. Students must meet with an advisor to declare a major in order to have the hold removed.

Warning and Dismissal
All university policies on warning and dismissal are enforced with this addition: CST students who are put on Academic Warning should see an academic advisor to review their proposed schedule of courses. See University Warning, Probation, Dismissal, and Reinstatement for more details.

General College Graduation Requirements

Requirements for the Bachelor of Science (B.S.) and the Bachelor of Arts (B.A.) Degrees
The College of Science and Technology offers two undergraduate degrees: a Bachelor of Arts (B.A.) and a Bachelor of Science (B.S.). The B.A. degree gives students a broad-based education, including the study of a foreign language. The B.S. degree is for those students who wish for more specialized training in their chosen disciplines.

Credit Hour Requirements
The College of Science and Technology requires that students complete a total of 123 credits. Of that total, 90 credits must be in the College of Science and Technology or the College of Liberal Arts (CLA). A course shall count as a College of Science and Technology or College of Liberal Arts course if it is offered by a department or program in either of the respective colleges, or if it is in the department of Economics and Art History, or if it is taken to satisfy a major or minor requirement in the College of Science and Technology. Of those 90 credits, 45 must be in upper-level courses. Students receiving a Bachelor of Arts (as opposed to Bachelor of Science) degree must take at least two courses numbered 2000 or above in the College of Liberal Arts.

Students who transfer into the College of Science and Technology must complete at least 30 of their last 45 semester hours of course work at Temple and at least half of the courses required in the department of the major must be taken at Temple. Please refer to degree programs for the specific number of major courses required.

A student with an intercollegial or interdisciplinary studies major can obtain information concerning the minimum number of semester hours in College of Science and Technology or College of Liberal Arts courses required for graduation from his or her major advisor and from the description of the major found in this Bulletin.

These credit-hour requirements apply to students who matriculated during or after the fall semester 1995.

Courses Inapplicable to Graduation
Semester hours earned in Mathematics 0701, military science, and RCC-enhanced courses are not credited toward the minimum semester hours required for graduation. Students will not be awarded duplicate credit for courses. Students will not receive credit towards graduation for lower-level courses, which are two or more courses below either an already-completed course or their placement level.

Grade Point Average (GPA) Requirement
The College of Science & Technology requires that students have a GPA of at least 2.00 overall and at least 2.00 in the department(s) of their major and/or minor.

Bachelor of Science Requirements
Core. In addition to the requirements above, Bachelor of Science candidates must complete the University Core Curriculum in effect at the time of their matriculation.

Major. They must also complete the requirements of a departmental major. The minimum acceptable grade in a course taken to fulfill major requirements is a C- unless otherwise specified. B.S. majors are offered in the following programs:

- Biochemistry
- Biology
- Biophysics
- Chemistry
• Computer Science
• Environmental Studies
• Geology
• Information Science and Technology
• Mathematics
• Mathematics and Physics
• Physics

**Minor or Additional Specialization.** Students pursuing a Bachelor of Science degree may also choose to fulfill the requirements of a second Major, Minor, or Additional Specialization. See below under Major and Minor Requirements.

**Bachelor of Arts Requirements**

**Core.** Bachelor of Arts candidates must complete the University Core requirements in effect at the time of their matriculation with the following difference: For the Core Language or International Studies requirement, candidates for the B.A. degree are required by the College to complete both an International Studies and a Language requirement by:
- (a) completing the third semester of a language (course number 1003) and one international studies course, or
- (b) completing the second semester of a language (course number 1002) and two international studies courses.

**Upper-level distribution requirements.** B.A. students must complete upper-level distribution requirements by taking two upper-level courses in one or more departments of the College of Liberal Arts or the Departments of Economics or Art History.

Students who have second majors, one of which is in the College of Liberal Arts or Economics or Art History, automatically satisfy the distribution requirement.

**Major.** Bachelor of Arts candidates must complete the requirements of a major. It is important to note that students enter the College of Science and Technology as Bachelor of Science majors. If students wish to change their degree choice to Bachelor of Arts, they must complete a declaration of major form in the Office of Student Services with an advisor. The minimum acceptable grade in a course taken to fulfill major requirements is a C- unless otherwise specified. B.A. majors are offered in the following programs:

• Biology
• Chemistry
• Computer Science
• Earth Science (see Geology)
• Environmental Studies
• Information Science and Technology
• Mathematics
• Mathematical Economics
• Physics

**Minor.** Students may also choose to complete the requirements for a minor. The minimum acceptable grade in a course taken to fulfill minor requirements is C- unless otherwise specified. At least three of the courses credited towards the minor must be courses that were not credited towards the major. At least half of the courses taken by a student to fulfill the minor must be taken at Temple. Forms for declaring a minor are available in the following programs:

• Biology
• Cognitive Neuroscience (see Psychology)
• Computer Science
• Environmental Studies
• Geology
• Information Science and Technology
• Mathematics
• Physics
Second Major. Students may complete a second major by fulfilling all requirements for the primary and second majors, including at least four courses that are credited towards the second major but not the primary major. Core requirements need to be satisfied based on the requirements of the primary major.

Individual Program Requirements

Certain courses fulfill multiple requirements. In careful consultation with your advisor, you will be able to optimize curriculum choices.

The total number of hours required for the degree may vary based on initial placement exams, transfer evaluations, individual curriculum choices, and academic programs.

Listed under each degree program are the courses students must successfully complete to earn that particular B.A. or B.S. degree. These required courses are in addition to the University Core Curriculum requirements.

Student Contact

For information about the College of Science & Technology, please contact the Office of Student Services, 215-204-2890.

Contact information for academic programs can be found under the listing for each individual program.

Faculty

Administration
Hai-Lung Dai, Ph.D., University of California at Berkeley, Dean
Douglas H. Baird, Ph.D., Yale University, Associate Dean
Ralph E. Jenkins, Ph.D., University of Texas at Austin, Senior Associate Dean
Mia K. Luehrmann, Ph.D., University of Illinois, Urbana, Associate Dean

Biology
Professor
Shohreh Amini, Ph.D., Chair, University of Pennsylvania.
Frank N. Chang, Ph.D., University of Wisconsin.
Antonio Giordano, M.D. University of Naples; Ph.D., Univ. of Trieste.
Edward Gruberg, Ph.D., University of Illinois.
Stuart E. Neff, Ph.D., Cornell University.
Harry P. Rappaport, Ph.D., Yale University.
Shepherd K. Roberts, Ph.D., Princeton University.
Joel B. Sheffield, Ph.D., University of Chicago.

Associate Professor
Karen Palter, Ph.D., Princeton University.
Robert W. Sanders, Ph.D., University of Georgia.
Jacqueline Tanaka, Ph.D., University of Illinois, Urbana.
Richard Waring, Ph.D., Essex University, England.

Assistant Professor
Thomas E. Hanson, Ph.D., Michigan State University.

Chemistry

Professor
Hai-Lung Dai, Ph.D., University of California at Berkeley, Dean
David R. Dalton, Ph.D., University of California.
Franklin A. Davis, Ph.D., Syracuse University.
Grant R. Krow, Ph.D., Princeton University.
Robert Levis, Ph.D., Chair, Pennsylvania State University.
Allen Nicholson, Ph.D., University of Pennsylvania.
Scott Sieburth, Ph.D., Harvard University.
Francis C. Spano, Ph.D., Princeton University.
Daniel R. Strongin, Ph.D., Washington University.
Susan Ann Jansen Varnum, Ph.D., University of Missouri, St. Louis.
John R. Williams, Ph.D., University of Western Australia.
Stephanie L. Wunder, Ph.D., University of Massachusetts.

**Associate Professor**
Eric Borguet, Ph.D., University of Pennsylvania.
Robert J. Stanley, Ph.D., Pennsylvania State University.
Donald D. Titus, Ph.D., California Institute of Technology.

**Assistant Professor**
Spiridoula Matsika, Ph.D., Ohio State University.
Jonathan Shackman, Ph.D., University of Michigan.

**Computer and Information Sciences**

**Professor**
Robert M. Aiken, Ph.D., Chair, Northwestern University.
Richard Beigel, Ph.D., Stanford University.
Frank L. Friedman, Ph.D., Purdue University.
Leonard J. Garrett, Ph.D., University of Pennsylvania.
Eliot B. Koffman, Ph.D., Case Western Reserve University.
James F. Korsh, Ph.D., University of Pennsylvania.
Eugene Kwatny, Ph.D., Drexel University.
David Lefkovitz, Ph.D., University of Pennsylvania.
John T. Nosek, Ph.D., Temple University.
Zoran Obradovic, Ph.D., Pennsylvania State University.
Arthur T. Poe, Ph.D., University of Illinois.

**Associate Professor**
Giora Baram, Ph.D., University of Toledo.
Giorgio Ingargiola, Ph.D., University of Pennsylvania.
Charles A. Kapps, Ph.D., University of Pennsylvania.
Paul LaFollette, M.D., Temple University.
Longin Jan Latecki, Ph.D., University of Hamburg.
Vasileios Megalooikonomou, Ph.D., University of Maryland.

Yuan Shi, Ph.D., University of Pennsylvania.
Robert L. Stafford, Ph.D., Yale University.

**Assistant Professor**
Rolf Lakaemper, Ph.D., University of Hamburg.
Slobodan Vucetic, Ph.D., University of Washington.
Alexander Yates, Ph.D., University of Washington.

**Geology**

**Professor**
David E. Grandstaff, Ph.D., Chair, Princeton University.
George H. Myer, Ph.D., Yale University.

**Associate Professor**
Jonathan Nyquist, Ph.D., University of Wisconsin.
Dennis O. Terry, Jr., Ph.D., University of Nebraska.
Laura Toran, Ph.D., University of Wisconsin.
Mathematics

Professor
Shiferaw Berhanu, Ph.D., Rutgers, The State University of New Jersey.
Orin Chein, Ph.D., New York University.
Boris Datskovsky, Ph.D., Harvard University.
Leon Ehrenpreis, Ph.D., Columbia University.
Janos Galambos, Ph.D., Eotvos University, Budapest, Hungary.
Cristian Gutierrez, Ph.D., University of Buenos Aires, Argentina.
Omar Hijab, Ph.D., Chair, University of California at Berkeley.
David R. Hill, Ph.D., University of Pittsburgh.
Marvin I. Knopp, Ph.D., University of Illinois.
Edward Letzter, Ph.D. University of Washington.
Seymour Lipschutz, Ph.D., New York University.
Martin Lorenz, Ph.D., University of Essen.
Jatinder S. Mehta, Ph.D., University of Wisconsin.
Gerardo Mendoza, Ph.D., Massachusetts Institute of Technology.
John Paulos, Ph.D., University of Wisconsin.
K. Raghunandanan, Ph.D., Colorado State University.
Louis Raymon, Ph.D., Yeshiva University.
Igor Rivin, Ph.D., Princeton University.
Ranganathan Srinivasan, Ph.D., Wayne State University.
Daniel B. Szyld, Ph.D., New York University.
Georgia Triantafillou, Ph.D., University of Bonn, Germany.
Simeon Vishik, Ph.D., Moscow State University.
Wei-Shih Yang, Ph.D., Cornell University.

Associate Professor
Bruce P. Conrad, Ph.D., University of California at Berkeley.
Raymond F. Coughlin, Ph.D., Illinois Institute of Technology.
Yury Grabovsky, Ph.D., New York University.
Diane Laison, Ph.D., University of Pennsylvania.
William D. Nathan, Ph.D., Syracuse University.
Daniel Reich, Ph.D., Princeton University.
Sina Robins, Ph.D., University of California, Los Angeles.
John J. Schiller, Ph.D., University of Pennsylvania.
H. Frank Thornton, M.A., Princeton University.
David E. Zitarelli, Ph.D., The Pennsylvania State University.

Physics

Professor
Theodore W. Burkhardt, Ph.D., Stanford University.
Leroy W. Dubeck, Ph.D., Rutgers University.
Dieter Forster, Ph.D., Harvard University.
Zameer Hasan, Ph.D., Australian National University, Canberra.
A. Marjatta Lyyra, Ph.D., University of Stockholm.
C. Jeffrey Martoff, Ph.D., Chair, University of California at Berkeley.
Zein-Eddine Meziani, Ph.D., University of Paris XI.
Ted W. Mihalisin, Ph.D., University of Rochester.
Peter S. Riseborough, Ph.D., Imperial College London.
Raza A. Tahir-Kheli, Ph.D., Oxford University.
Rongjia Tao, Ph.D., Columbia University.

Associate Professor
Zbigniew Dziembowski, Ph.D., Warsaw University.
Edward T. Gawlinski, Ph.D., Boston University.
Chyanlong Lin, Ph.D., Temple University.
Tan Yuen, Ph.D., Temple University.
Emeritus Faculty

Professor
Edwin J. Anderson
Leonard B. Auerbach
Dorothy Berner
William Brinigar
Barbara Brownstein
Ivan N. Erdelyi
Belmont G. Farley
Jerrold Franklin
Antonio M. Ponte Goncalves
Seymour Haber
Peter Hagis, Jr.
William Harvey
S. Robert Hilfer
Nina Hillman
Ralph Hillman
Robert L. Intemann
V.S. Krishnan
Mortimer M. Labes
Sigurd Y. Larsen
Mael A. Melvin
Bernard Meth
Richard L. Miller
Theodore Mitchell
Michael I. Mote
Leonard Muldawer
Donald Newman
Donald E. Neville
Mann-Chiang Niu
Elmer L. Offenbacher
Eli A. Passow
Hala Pflugfelder
Thomas R. Punnett
Robert Salomon
William Schmitt
Robert Searls
Leon Steinberg
Stephen T. Takats
Gene C. Ulmer
Robert B. Weinberg
Richard C. Weisenberg
Marie A. Wurster

Associate Professor
John Adams
James Bloomer
Francis T. Christoph, Jr.
Sarah Evangelista
James S. Karra
Nicholas Macri
Jerome Schiffer
Stephen Washburne

Instructor
Evelyn A. Strawbridge

Biochemistry

Dr. Shohreh Amini, Chair
Bachelor of Science Requirements for the Major

The biochemistry degree consists of fundamental biology and chemistry courses plus biochemistry lecture and laboratory courses: Chemistry 4401 (Biochemistry I - Structure and Function), Biology 4376 (Biochemistry II - Metabolism), and Biology 4344 (Research Techniques in Biochemistry). In addition to these, the following courses are required: Calculus I, II, III; General Chemistry I, II w/ labs; Organic Chemistry I, II w/ labs; calculus-based physics I, II; Biology 1111, 2112, 2203, 3096, 3324; Chemistry 3103, 3105, 3301; two biochemistry electives selected from the following: Biology 3201, 3265, 3301, 3317, 3325, 3327, 3328, 3334, 3352, 3363, 3365, 3367, 3371, 3374; Chemistry 3302, 4001, 4196, 4201, 4405.

<table>
<thead>
<tr>
<th>YEAR 1 – FALL</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1041</td>
<td>General Chemical Science I and General Chemical Science I Laboratory</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1043</td>
<td>General Chemical Science I Laboratory</td>
<td>1</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1951</td>
<td>Honors General Chemistry I and Honors General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1953</td>
<td>Honors General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 1 – SPRING</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>1111</td>
<td>Introduction to Biology</td>
<td>4</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1911</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II and General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1042</td>
<td>General Chemical Science II and General Chemical Science II Laboratory</td>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1044</td>
<td>General Chemical Science II Laboratory</td>
<td>1</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952</td>
<td>Honors General Chemistry II and Honors General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1954</td>
<td>Honors General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 2 – FALL</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2112</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-------------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2201</td>
<td>Organic Chemistry I and</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2203</td>
<td>Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2211</td>
<td>Organic Chemistry I for Majors and</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2213</td>
<td>Organic Chemistry I Laboratory for Majors</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2921</td>
<td>Honors Organic Chemistry I and</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2923</td>
<td>Honors Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>General Physics I</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 12

---

**YEAR 2 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2203</td>
<td>Genetics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2202</td>
<td>Organic Chemistry II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2204</td>
<td>Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2212</td>
<td>Organic Chemistry II for Majors and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2214</td>
<td>Organic Chemistry II Laboratory for Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2922</td>
<td>Honors Organic Chemistry II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2924</td>
<td>Honors Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>General Physics II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
</tbody>
</table>

**Subtotal** 12

---

**YEAR 3 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3096</td>
<td>Cell Structure and Function</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3103</td>
<td>Techniques of Chemical Measurement I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>3105</td>
<td>Intro. to Chemical Research Techniques</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 12

---

**YEAR 3 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>3301</td>
<td>Physical Chemistry Lecture I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>4401</td>
<td>Biochemistry I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 6

---

**YEAR 4 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3324</td>
<td>Molecular Biology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>4376</td>
<td>General Biochemistry II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4344</td>
<td>Elective*</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 9-10

---

**YEAR 4 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>4344</td>
<td>Research Techniques in Biochemistry</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4344</td>
<td>Elective*</td>
<td>3-5</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 7-9

**Credits in Coursework for Biochemistry** 78-81
**Core / Elective Credits** 42-45
**Biochemistry Electives**

*Students are required to take three advanced biochemistry electives selected from the following list:*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3201</td>
<td>Human Genetics</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3265</td>
<td>Embryology</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>3301</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3317</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>3325</td>
<td>Research Techniques in Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>3327</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3328</td>
<td>Virology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3334</td>
<td>Mammalian Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>3352</td>
<td>Neurobiology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3363</td>
<td>Mammalian Development</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3365</td>
<td>Contemporary Biology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3367</td>
<td>Endocrinology</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3371</td>
<td>Cell Proliferation</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>3374</td>
<td>Physical Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3302</td>
<td>Physical Chemistry Lecture II</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4001</td>
<td>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4196</td>
<td>Techniques of Chemical Measurement II</td>
<td>5</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4201</td>
<td>Organic Structure and Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4405</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Other courses may be acceptable with the permission of one of the biochemistry advisors.

---

**Biology**

Dr. Shohreh Amini, Chair  
Dr. Shepherd K. Roberts, Advisor  
Biology-Life Sciences Building, Room 401  
215-204-8864  
sroberts@temple.edu  
www.temple.edu/biology/

**Major requirements**

Foundation courses 52 s.h., Biology courses: 1111, 2112, 2203, 2227, 3096, two semesters of calculus, two semesters each of general and organic chemistry with labs, and two semesters of calculus-based physics.

**Upper-level Biology elective courses**

- Bachelor of Arts (three upper division Biology electives; see course descriptions for exceptions)
- Bachelor of Science (six upper division Biology electives; see course descriptions for exceptions); For the B.S. only, two Biology electives can be replaced from the following: Anthropology 2764, Anthropology 4775; Chemistry 3301, Chemistry 3302; Electrical Engineering Technology 2104; Mathematics 2043; Physics 2501, Physics 4301; Statistics 5002.
- Graduate-level courses, described in the *Graduate Bulletin*, can be taken as electives with special permission.

A grade of C or higher in Biology 1111 and Biology 2112 is required to take upper-level Biology courses, and a C- or higher is required unless otherwise specified in all other courses for the major, including course prerequisites. A GPA of 2.0 or better is required in Biology courses in order to graduate.
Minor requirements
Students interested in acquiring basic knowledge in biology but not wishing to major in the subject may pursue a minor by successful completion of Biology 1111 and Biology 2112 (Introduction to Biology), plus three additional upper division Biology electives (see course descriptions for exceptions). At least one of these additional Biology electives must have a laboratory component.

Note that Chemistry 1031 and Chemistry 1032 (with labs) are the co-requisites or prerequisites for Biology 1111 and Biology 2112, and that a grade of C or higher in Biology 1111 and Biology 2112 is required to take most Biology electives. Biology 2203, Biology 2227, and Biology 3096 can be taken as electives for the minor. Please consult the Biology Department's Advisor when choosing the three additional courses to ensure that prerequisites have been satisfied. (A minimum of 18 credits in Biology is required for the minor.)

Distinction in the Major
Students interested in laboratory research are encouraged to participate in the Biology Research Program. Distinction in Biology is awarded on the basis of independent laboratory projects conducted under the supervision of a faculty member. Admission to the program is by application to the Biology Department during the first semester of the junior year. Completion of this Program includes successful completion of Biology 4391 twice, which together will substitute for one Biology Elective course.

Concentration in Neuroscience
Undergraduate students with an interest in Neuroscience may apply to the Neuroscience Program after declaration of a major in biology or psychology. Upon successful completion of their departmental and Neuroscience Program requirements, students receive a bachelor's degree with a Specialization in Neuroscience.

Neuroscience Program Requirements

- Completion of three Neuroscience courses with a grade of B or better. Courses may be selected from: Biology 3354, Biology 3356; Communication Science 3235; Philosophy 5244; Psychology 2501, Psychology 2502.
- One year of Neuroscience research with a faculty member of the Neuroscience Program, with public and written presentation of the results. Two faculty members in the Neuroscience Program must approve the written presentation.

Five-Year Combined B.A. or B.S. and Ed.M. Program:

Five-Year Master's/Secondary Education Certification Program
This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following website: www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Biology - Bachelor of Arts

Bachelor of Arts Requirements for the Major

<table>
<thead>
<tr>
<th>YEAR 1 - FALL</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1041</td>
<td></td>
<td>General Chemical Science I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1043</td>
<td></td>
<td>General Chemical Science I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1951</td>
<td></td>
<td>Honors General Chemistry I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1953</td>
<td></td>
<td>Honors General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td></td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td></td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td>Subtotal</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

YEAR 1 - SPRING
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1042</td>
<td>General Chemical Science II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1044</td>
<td>General Chemical Science II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952</td>
<td>Honors General Chemistry II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1954</td>
<td>Honors General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1111</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1911</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 2 - FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2201</td>
<td>Organic Chemistry I and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2203</td>
<td>Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2211</td>
<td>Organic Chemistry for Majors I and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2213</td>
<td>Organic Majors Laboratory I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2921</td>
<td>Honors Organic Chemistry I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2923</td>
<td>Honors Organic Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>2112</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 2 - SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2202</td>
<td>Organic Chemistry II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2204</td>
<td>Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2212</td>
<td>Organic Chemistry for Majors II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2214</td>
<td>Organic Majors Laboratory II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2922</td>
<td>Honors Organic Chemistry II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2924</td>
<td>Honors Organic Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>2203</td>
<td>Genetics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 3 - FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3096</td>
<td>Cell Structure and Function</td>
<td>4</td>
<td>WI*</td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>General Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 3 - SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2227</td>
<td>Principles of Ecology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>General Physics II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 - FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>----------------------------------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>6-8</td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 4 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

^If the student has taken the necessary prerequisite courses, some of the Biology elective courses may be taken before the Fall semester of Year 4.

*Indicates writing capstone for the major.

| Credits in Coursework for B.A. in Biology | 61-64  |
| Core / Elective Credits                  | 59-62  |
| Total Credits for B.A. Degree            | 123    |

### Biology - Bachelor of Science

#### Bachelor of Science Requirements for the Major

**B.S. YEAR 1 - FALL THROUGH YEAR 3 - FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td></td>
<td>Identical To Bachelor Of Arts Requirements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 3 - SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2227</td>
<td>Principles of Ecology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>General Physics II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>11-12</td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 - FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>9-12</td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 - SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Elective</td>
<td>Upper Division Biology Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>6-8</td>
<td></td>
</tr>
</tbody>
</table>

^If the student has taken the necessary prerequisite courses, some of the Biology elective courses may be taken before the Spring semester of Year 3. For the B.S. only, two Biology electives may be replaced by courses from the following list: Anthropology 2764, Anthropology 4775; Chemistry 3301, Chemistry 3302; Electrical Engineering Technology 2104; Mathematics 2043; Physics 2501, Physics 4301; Statistics 5002.

| Credits in Coursework for B.S. in Biology | 70-76  |
| Core / Elective Credits                  | 47-53  |
| Total Credits for B.S. Degree            | 123    |

© 2007, Temple University. All rights reserved.
# Biophysics Bachelor of Science Requirements

Calculus I, II, III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; Calculus-based Physics I, II; Biology 2112, 2203, 3096; Physics 2502, 2701, 3301, 4101; and four biophysics elective courses.

## YEAR 1 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1041</td>
<td>General Chemical Science I and General Chemical Science I Laboratory</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1043</td>
<td>General Chemical Science I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1951</td>
<td>Honors General Chemistry I and Honors General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1953</td>
<td>Honors General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 1 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II and General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1042</td>
<td>General Chemical Science II and General Chemical Science II Laboratory</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1044</td>
<td>General Chemical Science II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952</td>
<td>Honors General Chemistry II and Honors General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1954</td>
<td>Honors General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Sub Total</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 2 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2201</td>
<td>Organic Chemistry I and Organic Chemistry I Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2203</td>
<td>Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2211</td>
<td>Organic Chemistry I for Majors and Organic Chemistry I Lab for Majors Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2213</td>
<td>Organic Chemistry I Lab for Majors Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2921</td>
<td>Honors Organic Chemistry I and Honors Organic Chemistry I Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>General Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 2 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2202</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2204</td>
<td>Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-----------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2212</td>
<td>or Organic Chemistry II for Majors and Honors Organic Chemistry II and Honors Organic Chemistry II Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2214</td>
<td>Organic Chemistry II for Majors Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2922</td>
<td>Honors Organic Chemistry II and Honors Organic Chemistry II Laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>General Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 3 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2112</td>
<td>Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3301</td>
<td>Electricity and Magnetism</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Elective†</td>
<td>Elective</td>
<td>Biophysics Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11-12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 3 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>2502</td>
<td>Mathematical Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Elective†</td>
<td>Elective</td>
<td>Biophysics Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11-12</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3096</td>
<td>Cell Structure and Function</td>
<td>4</td>
<td>WI*</td>
</tr>
<tr>
<td>Physics</td>
<td>4101</td>
<td>Thermodynamics and Kinetic Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective†</td>
<td>Elective</td>
<td>Biophysics Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>10-11</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>2203</td>
<td>Genetics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Elective†</td>
<td>Elective</td>
<td>Biophysics Elective</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7-8</strong></td>
<td></td>
</tr>
</tbody>
</table>

†Four electives must be chosen in consultation with physics advisor. All courses must be 2000 level or above. At least two electives must be Physics courses. Choose courses in Physics, Biology (Neurobiology, Genetics, Cell Structure, Physiology), Chemistry (Physical Chemistry), Biochemistry and Biophysics. Recommended for graduate school in Physics: Physics 2101, 3302, 3701 and 4796 and as much of the B.S. program in Physics as time allows. Students planning to go to medical school should complete Biology 1111, Introduction to Biology.

| Credits in Coursework for Biophysics | 75-79 |
| Core / Elective Credits             | 44-48 |
| Total Credits for B.S. Degree       | 123   |

**Chemistry**

Dr. Robert Levis, Chair  
Dr. Donald Titus, Advisor  
Beury Hall, Room 130
The Department of Chemistry is one of the oldest departments in the University and has a long record of preparing students for careers in science. Both Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees are available, depending upon a student’s career goals. Since a significant portion of America’s chemical industry is centered in the Philadelphia region, there is a wide range of career opportunities locally available. Although most of our students have gone on to medicine, dentistry, or the chemical industry, recent graduates have also gone on to careers in law, forensics, and even art restoration.

All prospective majors should schedule an appointment with one of the Departmental advisors (names of current advisors are available from the Chemistry office, Beury Hall, Room 130) to plan a program of study. The recommended order of courses for the two majors is listed below; a different order is acceptable as long as the student adheres to prerequisite requirements.

**Five-Year Master’s Programs:**

**Five-Year B.A. or B.S./M.A.**
Chemistry majors at the beginning of their junior year may apply for admission to the fifth year M.A. Program. Upon admission to the program and satisfactory completion of the program requirements, the student is assured of having a master’s degree at the end of the fifth year. Interested students should contact their advisor for details.

**Five-Year Master’s/Secondary Education Certification Program**
This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following website:
www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

**Bachelor of Arts Requirements for the Major**
Calculus I, II and III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based Physics I, II; the following advanced chemistry courses: 3103, 3105, 3301, 3302, and a choice of 4196 or 4396 (capstone writing course).
If Chemistry 4396 is chosen, an additional course in chemistry numbered 4001 or above is required. If Chemistry 4196 is chosen, an additional advanced science course is required, chosen from a list of chemistry, biology, physics, geology, and mathematics courses.

### YEAR 1 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I and General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemical Science I and General Chemical Science I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1041</td>
<td>Honors General Chemistry I and Honors General Chemistry I Laboratory</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1043</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 1 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II and General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemical Science II and General Chemical Science II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1042</td>
<td>Honors General Chemistry II and Honors General Chemistry II Laboratory</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952</td>
<td>Honors General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1954</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
| Mathematics | 1042 | Calculus II | 4 |
| Mathematics | 1942 | or Honors Calculus II | 4 |
| **Subtotal** | | | **8** |

### YEAR 2 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2201</td>
<td>Organic Chemistry I and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2203</td>
<td>Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2211</td>
<td>Organic Chemistry I for Majors and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2213</td>
<td>Organic Chemistry I Laboratory for Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2921</td>
<td>Honors Organic Chemistry I and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2923</td>
<td>Honors Organic Chemistry I Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>General Physics I¹</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

¹Physics 1061 may be taken in place of Physics 2021, only if Physics 2701 is taken as an advanced science elective.

### YEAR 2 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>2202</td>
<td>Organic Chemistry II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2204</td>
<td>Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2212</td>
<td>Organic Chemistry II for Majors and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2214</td>
<td>Organic Chemistry II Laboratory for Majors</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2922</td>
<td>Honors Organic Chemistry II and</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>2924</td>
<td>Honors Organic Chemistry II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>General Physics II²</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

²Physics 1062 may be taken in place of Physics 2022 if Physics 2701 is taken as an advanced science elective.

### YEAR 3 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>3103</td>
<td>Techniques of Chemical Measurements I²</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>3105</td>
<td>Introduction to Chemical Research Techniques</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>3301</td>
<td>Physical Chemistry Lecture I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
</tr>
</tbody>
</table>

³Chemistry 3103 is a pre- or co-requisite for all chemistry laboratory courses numbered above 3103.

### YEAR 3 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>3302</td>
<td>Physical Chemistry Lecture II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 4 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>4001 or above</td>
<td>Advanced Chemistry Course³</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3-5</strong></td>
<td></td>
</tr>
</tbody>
</table>

³Advanced Chemistry Courses for B.A. students consist of all courses in Chemistry having a number of 4001 or higher. If the student has successfully completed the appropriate prerequisite course, a graduate course in Chemistry may be included in this category.
YEAR 4 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science or Mathematics</td>
<td>Advanced Science Course^6</td>
<td>3 to 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>4196</td>
<td>Techniques of Chemical Measurement II^6</td>
<td>5</td>
<td>WI*</td>
</tr>
<tr>
<td></td>
<td>4396</td>
<td>or Physical Chemistry Laboratory^6</td>
<td>4</td>
<td>WI*</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7-10</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Indicates writing capstone for major

^6Advanced Science Courses for B.A. students consist of Chemistry 3881 or 3891 (only one of these may be counted as an advanced science course), and all other Chemistry courses numbered 4001 and above; Biology 2203, 3096, 3334, 3265, and above; Physics 2502, 3301, 2701, 2101, 3101, 3302, 4301, 4101, and above; Geology 2000 and above; Math 2101, 3098, 3031, 3141, and above.

^6Although neither Chemistry 4196 or Chemistry 4396 are required as part of the B.A. degree program, at least one of the two must be taken in order to satisfy the Core requirement for a capstone writing intensive course in the major. If Chemistry 4396 is selected, it may also count as the B.A. student’s Advanced Science course; if Chemistry 4196 is selected, it may count either as the B.A. student’s Advanced Chemistry or as the Advanced Science course.

Bachelor of Science Requirements for the Major

These include all required courses for the B.A. major; in addition, the B.S. major requires Chemistry 4001, Chemistry 4196, Chemistry 4396, two advanced chemistry courses numbered 4003 or above, and two advanced science courses.

For the B.S. degree to be certified by the American Chemical Society, Calculus III is required. The two advanced chemistry electives chosen must be Chemistry 4003 and 4401; the two advanced science electives are to be chosen from Chemistry 3891, 4004, 4103, 4107, 4203, 4207, 4503.

With the appropriate selection of electives, the B.S. degree is certified by the American Chemical Society^9.

Credits in Coursework for B.A. in Chemistry^6

<table>
<thead>
<tr>
<th>Core / Elective Credits</th>
<th>67-71</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits for B.A. Degree</td>
<td>123</td>
</tr>
</tbody>
</table>

YEAR 1 – FALL THROUGH YEAR 3 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Identical to B.A. Requirements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

YEAR 3 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>3302</td>
<td>Physical Chemistry Lecture II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>4396</td>
<td>Physical Chemistry Laboratory</td>
<td>4</td>
<td>WI*</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
</tr>
</tbody>
</table>

YEAR 4 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>4001</td>
<td>Inorganic Chemistry</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td>Advanced Science Course^7, 9</td>
<td>3-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>4003 or above</td>
<td>Advanced Chemistry Course^6, 9</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9-13</strong></td>
<td></td>
</tr>
</tbody>
</table>

YEAR 4 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>4196</td>
<td>Techniques of Chemical Measurement II</td>
<td>5</td>
<td>WI*</td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td>Advanced Science Course^7, 9</td>
<td>3-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Major Requirements

**Bachelor of Arts Requirements for the Major**

Calculus I, II; sequenced lab science A & B; CIS 1068, CIS 1166 or Math 2196, CIS 2107, CIS 2166 or Math 3098, CIS 2168, CIS 3207, CIS 3223, CIS 4398, CIS 4307; theory course selected from: Math 3031, Philosophy 3211, CIS 3211 or CIS 3242; communication course selected from: English 2596, English 2696 or STOC 1111.

#### B.A. YEAR 1 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Laboratory Science A</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

#### B.A. YEAR 1 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Laboratory Science B</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

#### B.A. YEAR 2 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-------------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>CIS</td>
<td>1068</td>
<td>Program Design and Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>1166</td>
<td>Mathematical Concepts in Computing I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2196</td>
<td>Basic Concepts of Math</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>7-8</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. YEAR 2 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>2107</td>
<td>Computer Systems &amp; Low-Level Programming</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2166</td>
<td>Mathematical Concepts in Computing II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3098</td>
<td>Mathematical Concepts in Computing II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>11-12</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. YEAR 3 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>3207</td>
<td>Introduction to Systems Programming &amp; Operating Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3223</td>
<td>Data Structures and Algorithms</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. YEAR 3 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3031</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3211</td>
<td>Intermediate Logic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3211</td>
<td>Automata, Computability &amp; Languages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3242</td>
<td>Discrete Structures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one theoretically-oriented course:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one communication course:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2596</td>
<td>Writing for Business &amp; Industry</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>2696</td>
<td>Technical Writing</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>STOC</td>
<td>1111</td>
<td>Public Speaking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. YEAR 4 – FALL**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4307</td>
<td>Intro. to Distributed Systems &amp; Networks</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. YEAR 4 – SPRING**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4298</td>
<td>Software Engineering</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Credits in Coursework for B.A. in CIS: 56-58
Core / Elective Credits: 65-67
Total Credits for B.A. Degree: 123

© 2007, Temple University. All rights reserved.
**Bachelor of Science Requirements for the Major**

These include all required courses for the B.A. major; in addition, the B.S. major requires CIS 4339 and three CIS electives.

### B.S. YEAR 1 – FALL THROUGH YEAR 2 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identical to B.A. Requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### B.S. YEAR 3 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>3207</td>
<td>Introduction to Systems Programming &amp; Operating Systems Programming</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3223</td>
<td>Data Structures and Algorithms</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Select one theoretically-oriented course:**

| Mathematics  | 3031 | Introduction to Probability Theory |
| Philosophy    | 3211 | Intermediate Logic |
| CIS           | 3211* | Automata, Computability, & Languages |
| CIS           | 3242* | Discrete Structures |

| Subtotal | 11 |

*If not taken as a CIS elective

### B.S. YEAR 3 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>Elective</td>
<td>CIS elective*</td>
<td>3 or 4</td>
<td></td>
</tr>
</tbody>
</table>

**Select one communication course:**

| English     | 2596 | Writing for Business & Industry |
| English     | 2696 | Technical Writing |
| STOC        | 1111 | Public Speaking |

| Subtotal | 6-7 |

### B.S. YEAR 4 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4298</td>
<td>Software Engineering</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>CIS</td>
<td>4307</td>
<td>Intro. to Distributed Systems &amp; Networks</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>Elective</td>
<td>CIS elective*</td>
<td>3 or 4</td>
<td></td>
</tr>
</tbody>
</table>

| Subtotal | 11-12 |

### B.S. YEAR 4 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4339</td>
<td>Projects in Computer Science</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>Elective</td>
<td>CIS elective*</td>
<td>3 or 4</td>
<td></td>
</tr>
</tbody>
</table>

| Subtotal | 7-8 |

*CIS electives: CIS 3203, CIS 3211 (if not taken as theory requirement), CIS 3219, CIS 3242 (if not taken as theory requirement), CIS 4282, CIS 4305, CIS 4308, CIS 4319, CIS 4324, CIS 4331, CIS 4350, CIS 4382.

| Credits in Coursework for B.S. in CIS | 69-74 |
| Core / Elective Credits              | 49-54 |
| Total Credits for B.S. Degree        | 123  |
Minor Requirements

Students desiring a minor in Computer and Information Science are required to satisfy the following:

- Mathematics 1041-1042 (Calculus I & II)
- CIS 1068 (Program Design and Abstraction)
- CIS 1166 (Mathematical Concepts in Computing I) or Mathematics 2196 (Basic Mathematical Concepts)
- CIS 2107 (Computer Systems & Low-Level Programming)
- CIS 2166 (Mathematical Concepts in Computing II) or Mathematics 3098 (Modern Algebra)
- CIS 2168 (Data Structures)
- CIS 3207 (Introduction to Systems Programming & Operating Systems)
- CIS 3223 (Data Structures and Algorithms)

Environmental Studies

Dr. Robert Mason, Director
Gladfelter Hall, Room 330
215-204-5918
envtstud@temple.edu
www.temple.edu/env-stud/

Dr. Dennis Terry, Advisor for B.S.
Beury Hall, Room 321
215-204-8226
dennis.terry@temple.edu

Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens’ organizations, consulting firms, and corporate environmental affairs departments.

Offered jointly by the College of Liberal Arts and the College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A Minor also is offered, and a Certificate of Completion is an option for those already holding an undergraduate degree in a different field.

The program and its requirements are described in full in the "Intercollegial Programs" section of this Bulletin.

Geology

Dr. David Grandstaff, Chair
Dr. Dennis Terry, Advisor
Beury Hall, Room 221
215-204-8226
dennis.terry@temple.edu

The Department of Geology offers two different undergraduate programs, one leading to the B.S. in Geology and the other leading to the B.A. in Earth Science.

The B.S. program prepares students for immediate entry into a career in geology or for graduate studies. Career opportunities for geologists in industry and government include planning for the environment, evaluation of waste disposal sites, monitoring of groundwater, and exploration for natural resources. The B.S. program is excellent preparation for graduate study and ultimately for a career in research, teaching, industry, or government.

The B.A. program is not intended for prospective geologists. The B.A. program is suitable for pre-medicine or pre-law students or for students planning to teach earth science in secondary school.
A departmental field trip for undergraduate students, graduate students, and faculty will be conducted during the fall semester.

**B.A. in Earth Science**
First semester of introductory or general chemistry with lab, College Math or Calculus I, and the following Geology courses: 1001, 4197, and three geology electives from the following five: Geology 2011, Geology 2021, Geology 2022, Geology 2061, Geology 3021. Five additional science electives must be chosen, with no more than three from the same department: Three courses must be numbered 2000 or above. These electives must be taken from the list of science electives given below.

### Year 1 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>1001</td>
<td>Introductory Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>2001</td>
<td>Physical Geology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td></td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7-8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 1 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Non-major Elective Credits</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1021/1023</td>
<td>Introduction to Chemistry I &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>1031/1033</td>
<td>General Chemistry I &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>1041/1043</td>
<td>General Chemical Science I &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>1951/1953</td>
<td>Honors General Chemical Science I &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Geology</td>
<td></td>
<td>Geology Elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Science Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11-12</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td></td>
<td>Geology Elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Science Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7-8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 3 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td></td>
<td>Geology Elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Science Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7-8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 3 - Spring Semester
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>4197 or 4997</td>
<td>Environmental Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Science Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Year 4 - Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td></td>
<td>Science Elective^</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>3-4</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Year 4 - Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>General Non-Major Elective Credits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Credits in Coursework for B.A. in Earth Science**

<table>
<thead>
<tr>
<th>Core / Elective Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47-53</td>
</tr>
<tr>
<td>Total Credits for B.A. Degree</td>
<td>123</td>
</tr>
</tbody>
</table>

*Geology Electives*

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>2011</td>
<td>Mineralogy I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>2021</td>
<td>Facies Models</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>2022</td>
<td>Paleontology &amp; Stratigraphy</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>2061</td>
<td>Introduction to Geochemistry</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>3021</td>
<td>Introduction to Hydrology</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

^Science Electives*

Select five: No more than three from one department. Three courses must be numbered above 2000.

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>2104</td>
<td>Fundamentals of Archaeology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>2705</td>
<td>Fundamentals of Biological Anthropology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3748</td>
<td>Introduction to Primates</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>3741</td>
<td>Evolutionary Biology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1011</td>
<td>General Biology I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>1012</td>
<td>General Biology II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>1111</td>
<td>Introduction to Biology or Honors Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1911</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Biology</td>
<td>2112</td>
<td>Introduction to Biology or Honors Introduction to Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>2912</td>
<td>Honors Introduction to Biology</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Biology</td>
<td>3196</td>
<td>Experimental Marine Biology</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>Biology</td>
<td>2241</td>
<td>Invertebrate Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1022/1024</td>
<td>Introduction to Chemistry II &amp; Lab or General Chemistry II &amp; Lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>1032/1034</td>
<td>General Chemistry II &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
</tbody>
</table>
### B.S. in Geology

Calculus I, II; General Chemistry I, II w/ labs; Calculus-based Physics I, II; Geology 1001, Geology 2011, Geology 2021, Geology 2022, Geology 2061, Geology 3001, Geology 4096. In addition, Field Geology (Geology 4589) taken in the summer; and three upper-level science or mathematics electives, at least one of which must be in a discipline other than geology.

#### Year 1 - Fall semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1031/1033</td>
<td>General Chemistry I &amp; Lab</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>1041/1043</td>
<td>or General Chemical Science I &amp; Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1951/1953</td>
<td>or Honors General Chemical Science I &amp; Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td></td>
<td>1941</td>
<td>or Honors Calculus I</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1001</td>
<td>Introductory Geology</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>2001</td>
<td>or Physical Geology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

#### Year 1 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1032/1034</td>
<td>General Chemistry II &amp; Lab</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>1042/1044</td>
<td>or General Chemical Science II &amp; Lab</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>1952/1954</td>
<td>or Honors General Chemical Science II &amp; Lab</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>1942</td>
<td>or Honors Calculus II</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

#### Year 2 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>2011</td>
<td>Mineralogy I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>or General Physics I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Year 2 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>2061</td>
<td>Introduction to Geochemistry</td>
<td>4</td>
<td>RCI</td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td></td>
<td>2022</td>
<td>General Physics II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 8

### Year 3 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>2021</td>
<td>Facies Models</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>3001</td>
<td>Igneous &amp; Metamorphic Petrology</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 8

### Year 3 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>2022</td>
<td>Paleontology &amp; Stratigraphy</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>4096</td>
<td>Structural Geology</td>
<td>4</td>
<td>WI</td>
</tr>
</tbody>
</table>

**Subtotal** 8

### Year 3 - Summer Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology</td>
<td>4589</td>
<td>Field Geology (see Advisor)</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 6

*Note: Summer field camp is required of all B.S. geology majors and is usually taken in the summer of the junior or senior year. The geology undergraduate advisor must approve the choice of field camp.*

### Year 4 - Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>2000+ Science or Math Elective*</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 3-4

### Year 4 - Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>2000+ Science or Math Elective*</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** 6-8

**Credits in Coursework for B.S. in Geology** 67-70

**Core / Elective Credits** 53-56

**Total Credits for B.S. Degree** 123

*The three required electives must within science or math at the 2000 level or above. Of the three upper-level Science/Math electives required, at least one must be in a discipline other than Geology. One may be from the graduate level with permission of the instructor.*
Minor
Students interested in acquiring a basic knowledge of Geology but not wishing to major in Geology may pursue a minor in Geology by successfully completing the following courses:

- Geology 1001 w/ lab or 2001 w/ lab
- Chemistry 1021/1023 or Chemistry 1031/1033
- Mathematics 1011 or Mathematics 1041
- Geology electives numbered above 2001, with a total of 16 or more credits, chosen with the approval of the Undergraduate Geology Advisor.

Five-Year Master’s Program:

Five-Year Combined B.A. or B.S. and Ed.M. Program
This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following website:
www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Senior Research Project
Students whose cumulative GPA is at least 3.25 at the end of the first semester of their junior year are eligible to undertake a senior research project. In the second semester of their junior year, students must select a faculty research advisor and, with the advisor, prepare a written research proposal. After the research advisor and the undergraduate geology advisor approve the proposal, the student may register for 3 hours of Geology 4082 (Individual Study Program), in the summer and each semester of the senior year (up to a total of 9 hours), to carry out the research project. Normally, the project will involve field or laboratory work in the summer between the junior and senior years and lead to presentation of the results at a departmental seminar at the end of the senior year.

Distinction in Major
To graduate with Distinction in Major, students are required to achieve a 3.5 GPA for the aggregate of courses required for the B.S. in Geology or the B.A. in Earth Science.

Information Science & Technology

Dr. Robert Aiken, Chair
Dr. Gary Baram, Advisor
Wachman Hall, Room 304
215-204-6847
gary.baram@temple.edu

B.A. Major Requirements
Math 1031, Math 2031, Math 2032; CIS 1055, CIS 1073, CIS 2109, CIS 2173, CIS 3209, CIS 3229, CIS 4296, CIS 4309, CIS 4329, CIS 4342, CIS 4396; Science A.

<table>
<thead>
<tr>
<th>B.A. YEAR 1 – FALL</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>1031</td>
<td>Differential &amp; Integral Calculus</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>[Any Science A]</td>
<td></td>
<td>4</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B.A. YEAR 1 – SPRING</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>1055</td>
<td>Computers and Applications [Science B]</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>1073</td>
<td>Computer Programming &amp; Higher Level Languages</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2031</td>
<td>Probability and Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2109</td>
<td>Database &amp; File Management Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2173</td>
<td>Object-Oriented Programming</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2032</td>
<td>Sophomore Problem Solving</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3209</td>
<td>Component-Based Software Development</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3229</td>
<td>Operating Systems &amp; Networking</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4296</td>
<td>Information Systems Analysis &amp; Design</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>CIS</td>
<td>4309</td>
<td>Client/Server &amp; Net-Centric Computing</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>4329</td>
<td>Network Architectures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4396</td>
<td>Information Systems Implementation</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4342</td>
<td>Networked Application Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>4</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>General Non-major Elective Credits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Credits in Coursework for B.A. in IS&T**: 57
**Core / Elective Credits**: 66
**Total Credits for B.A. Degree**: 123

**B.S. Major Requirements**
Math 1031, Math 2031, Math 2032; CIS 1055, CIS 1073, CIS 2109, CIS 2173, CIS 3209, CIS 3229, CIS 4296, CIS 4309, CIS 4329, CIS 4342, CIS 4396; Science A; and four IS&T related electives*.
### B.A. YEAR 1 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>1055</td>
<td>Computers and Applications [Science B]</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>CIS</td>
<td>1073</td>
<td>Computer Programming &amp; Higher Level Languages</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 2 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2031</td>
<td>Probability and Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2109</td>
<td>Database &amp; File Management Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2173</td>
<td>Object-Oriented Programming</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 2 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2032</td>
<td>Sophomore Problem Solving</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3209</td>
<td>Component-Based Software Development</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>3229</td>
<td>Operating Systems &amp; Networking</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 3 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4296</td>
<td>Information Systems Analysis &amp; Design</td>
<td>4</td>
<td>WI</td>
</tr>
<tr>
<td>CIS</td>
<td>4309</td>
<td>Client/Server &amp; Net-Centric Computing</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>4329</td>
<td>Network Architectures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 3 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4396</td>
<td>Information Systems Implementation</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>CIS</td>
<td>elective</td>
<td>CIS elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 4 – FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>4342</td>
<td>Networked Application Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>elective</td>
<td>CIS elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### B.A. YEAR 4 – SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>elective</td>
<td>CIS elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>elective</td>
<td>CIS elective*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>
Credits in Coursework for B.S. in IS&T

<table>
<thead>
<tr>
<th>Credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Core / Elective Credits</td>
<td>50</td>
</tr>
<tr>
<td>Total Credits for B.S. Degree</td>
<td>123</td>
</tr>
</tbody>
</table>

*IS&T related elective courses are: CIS 3281^, CIS 4282^, CIS 4308, CIS 4340, CIS 4344, CIS 4350, CIS 4362, CIS 4372, CIS 4376, CIS 4378, CIS 4382^. Other courses may be selected from any Department at Temple University at the 2000-level or above that are IS&T related and have been approved by an advisor.

^Note: A maximum of two courses may be taken from CIS 3281, CIS 4282, CIS 4382. CIS 3281 may be taken twice within this two-course maximum.

Minor Requirements

Students desiring a minor in Information Science and Technology are required to satisfy the following:

- CIS 1073 (Computer Programming & Higher Level Languages)
- CIS 2109 (Database & File Management Systems)
- CIS 2173 (Object-Oriented Programming)
- CIS 3209 (Component-Based Software Development)
- CIS 3229 (Operating Systems & Networking)
- CIS 4296 (Information Systems Analysis & Design)
- CIS 4396 (Information Systems Implementation)

Mathematics

Dr. Omar Hijab, Chair
Dr. Boris Datskovsky, Director of Undergraduate Studies
215-204-7847
Wachman Hall, Room 632
bdats@temple.edu

Mathematics majors may select either the Bachelor of Arts (B.A.) program or the Bachelor of Science (B.S.) program.

The B.A. program is a traditional program in pure mathematics. It is intended for students who plan to go to graduate school or to teach mathematics at a college or high school level after graduation. While the B.A. program has relatively few required courses, the required courses are academically demanding. The lack of heavy requirements is intended to provide students with an opportunity to explore their interests in and out of mathematics.

The B.S. program, which has more required courses, has an applied flavor. It is intended for students who plan to seek employment in a mathematics-related field or join a graduate program in applied mathematics or a mathematics-related field upon graduation.

Either program can be combined with the department's M.A. program, leading to the M.A. degree after five years of study.

The department offers a joint program with the Department of Physics leading to the B.S. degree and a joint program with the Department of Economics leading to the B.A. degree. Students who plan careers as secondary school mathematics teachers may choose to take a five-year interdisciplinary program, offered jointly with the College of Education, that leads to a bachelor's degree in mathematics, teaching certification, and a Master's degree in Education.


Mathematics, B.A. Requirements

In addition to the basic courses, one of the following courses in Computer and Information Sciences: CIS 1053, CIS 1057, CIS 1068 or CIS 2168; and Math 2196 or Math 3000+ (Math 2196 can only count if it is taken prior to Math 3098 and Math 3141), Math 3098, Math 3101, Math 4061 or Math 4063; and one additional mathematics elective course numbered 3000 or above.
### Year 1, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course#</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1053</td>
<td>Programming in Matlab</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1068</td>
<td>Program Design &amp; Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 1, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>4</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 2, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2196</td>
<td>Basic Concepts of Math</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Elective</td>
<td>Select one course 3000+</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3041</td>
<td>Differential Equations I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 3, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3098</td>
<td>Modern Algebra</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3141</td>
<td>Advanced Calculus I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 3, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3101</td>
<td>Topics in Modern Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3142</td>
<td>Advanced Calculus II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 4, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>4051</td>
<td>Introduction to Functions of a Complex Variable</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Elective</td>
<td>Select one course 3000+</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Year 4, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>4061</td>
<td>Differential Geometry</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1053</td>
<td>Programming in Matlab</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1068</td>
<td>Program Design &amp; Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Year 1, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>1053</td>
<td>Programming in Matlab</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1057</td>
<td>Computer Programming in C</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>CIS</td>
<td>1068</td>
<td>Program Design &amp; Abstraction</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CIS</td>
<td>2168</td>
<td>Data Structures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3031</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2, Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>

**Mathematics, B.S. Requirements**

In addition to the basic courses, Calculus-based Physics I, II; two of the following courses from Computer and Information Sciences: CIS 1053, CIS 1057, CIS 1068, CIS 2168; and Math 3031, Math 3043, Math 3098; and two science/mathematics electives taken from the following list: Actuarial Science 3501, Actuarial Science 3502; Chemistry 3301, Chemistry 3302; CIS 3211, CIS 3242; Economics 3503; Physics 2101, Physics 2701, Physics 3101, Physics 3301, Physics 3302, Physics 3701, Physics 4101; or any mathematics course numbered 3000 or above (Math 2196 can count as one of the electives, provided it is taken prior to Math 3098 and Math 3141); and one additional mathematics elective course numbered 4000 or above.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3043</td>
<td>Numerical Analysis I</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3098</td>
<td>Modern Algebra</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3141</td>
<td>Advanced Calculus I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9-10</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 3, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3142</td>
<td>Advanced Calculus II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Elective</td>
<td>Select one course 3000+</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal**

**Year 3, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3503</td>
<td>Introduction to Econometrics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 4, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Classical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3101</td>
<td>Analytical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3301</td>
<td>Electricity and Magnetism</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3302</td>
<td>Classical Electromagnetism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3701</td>
<td>Introduction to Quantum Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4101</td>
<td>Thermodynamics and Kinetic Theory</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*Math 2196 must be taken before Math 3098 and Math 3141*
<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>4051</td>
<td>Introduction to Functions of a Complex Variable</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Elective</td>
<td>Select one course 4000 or above</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6-7</strong></td>
<td></td>
</tr>
<tr>
<td>Year 4, Spring Semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4096</td>
<td>Senior Problem Solving Seminar</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Credits in Coursework for B.S. in Mathematics

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core / Elective Credits</td>
<td>55-59</td>
</tr>
<tr>
<td>Total Credits for B.S. Degree</td>
<td>123</td>
</tr>
</tbody>
</table>

### Intercollegial B.A. Degree in Mathematical Economics

Dr. Omar Hijab, Chair, Mathematics  
Dr. Boris A. Datskovsky, Director of Undergraduate Studies, Mathematics  
Wachman Hall, Room 632  
215-204-7847  
bdats@temple.edu

or

Dr. William J. Stull, Chair, Economics  
Dr. Dimitrios Diamantaras, Advisor, Economics  
Ritter Annex 623  
215-204-8169  
dimitrios.diamantaras@temple.edu

The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting and other disciplines that make an extensive use of economics need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics. The program and its requirements are described in full in the "Intercollegial Programs" section of this Bulletin.

### Interdisciplinary B.S. Degree in Mathematics and Physics

Dr. C. Jeff Martoff, Chair, Physics  
Dr. Zbigniew Dziembowski, Undergraduate Faculty Advisor, Physics  
215-204-7639  
zbig.dziembowski@temple.edu

Dr. Omar Hijab, Chair, Mathematics  
Dr. Boris Datskovsky, Director of Undergraduate Studies, Mathematics  
215-204-7847  
bdats@temple.edu

### Mathematics and Physics, B.S. Degree.

Calculus I, II, III; Calculus-based Physics I, II; Math 2101, Math 2196, Math 3031, Math 3098, Math 3041, Math 3043, Math 3141, Math 3142, Math 4051; Physics 2101, Physics 2501, Physics 2701, Physics 3101, Physics 3301, Physics 3302, Physics 3701, Physics 4101, Physics 4302, Physics 4796; Math 4041 or Physics 2502.

### Year 1, Fall Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Course #</td>
<td>Course Name</td>
<td>Hours</td>
<td>RCI</td>
</tr>
<tr>
<td>-------------</td>
<td>----------</td>
<td>--------------------------------------------</td>
<td>-------</td>
<td>-----</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>or Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>or General Physics I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 1, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>or Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>or General Physics II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Note:  Math 2196 must be taken prior to Math 3098 or Math 3141.*

**Year 2, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>2196*</td>
<td>Basic Mathematical Concepts</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3041</td>
<td>Differential Equations I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2501</td>
<td>Computing for Scientists</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 2, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3031</td>
<td>Introduction to Probability Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2101</td>
<td>Classical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>4041</td>
<td>Partial Differential Equations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2502</td>
<td>or Mathematical Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>13-14</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 3, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>2101</td>
<td>Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3098</td>
<td>Modern Algebra</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3141</td>
<td>Advanced Calculus I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3101</td>
<td>Analytical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3301</td>
<td>Electricity and Magnetism</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 3, Spring Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3142</td>
<td>Advanced Calculus II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3302</td>
<td>Classical Electromagnetism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3701</td>
<td>Introduction to Quantum Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Year 4, Fall Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3043</td>
<td>Numerical Analysis I</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4101</td>
<td>Thermodynamics &amp; Kinetic Theory</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Physics 4302  Optics
Subtotal  3

<table>
<thead>
<tr>
<th>Year 4, Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Physics</td>
</tr>
<tr>
<td>Subtotal</td>
</tr>
</tbody>
</table>

| Credits in Coursework for B.S. in Math/Physics | 83-85 |
| Core / Elective Credits                      | 38-40 |
| Total Credits for B.S. Degree                | 123  |

The interdisciplinary program is jointly administered by the departments of Mathematics and Physics. For further discussion of the Interdisciplinary major, see [www.temple.edu/physics/undergradprog.html](http://www.temple.edu/physics/undergradprog.html) under "dual major in physics and mathematics."

**Five-year Master's Program:**

**The Combined B.A. or B.S./M.A. Program**

To participate in this five-year program, a mathematics major should be enrolled in either the B.A. or the B.S. program. Application to continue in the M.A. program must be made to the Graduate Chair of the department no later than the first semester of the senior year. To be accepted by the M.A. program, a student must have a GPA of at least 3.25 in Mathematics courses when the application is made. In addition to completing the B.A. or B.S. requirements, the student must complete four additional graduate-level mathematics courses numbered 5000 and above by the end of her/his senior year. If the Core and College requirements have also been met, the student will be awarded the B.A. or B.S. degree at the conclusion of this portion of the program. All courses must be passed with a grade of C- or better, and no more than two graduate courses can carry a grade less than B- for the student to continue with the M.A. portion of the program.

**Fifth-Year Course Requirements**

The student will take a total of six graduate-level courses, selected to conform to the M.A. requirements. At the end of the fifth year, the student must either write a master's thesis or pass one of the following examinations:

- Master's Comprehensive Examination in Pure Mathematics
- Master's Comprehensive Examination in Applied Mathematics
- Ph.D. Combined Comprehensive Examination (M.A. level pass)

For further details on the M.A. degree requirement see the [Graduate Bulletin](http://www.temple.edu/physics/undergradprog.html).

**Five-Year Master's/Secondary Education Certification Program**

This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following website: [www.temple.edu/academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher](http://www.temple.edu/academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher)

**Minor Requirements**

- Three semesters of calculus (Math 1041, Math 1042, and Math 2043).
- One semester of computer programming (Computer and Information Sciences: CIS 1053, CIS 1057, CIS 1068, CIS 2168 or Physics 2501).
- Linear algebra (Math 2101)
- Five additional mathematics courses numbered 3000 or above; or Math 2196 and four mathematics courses numbered 3000 or above. (Math 2196 must be taken prior to Math 3098 or Math 3141.)

**Distinction in Mathematics**

To graduate with Distinction in Mathematics a student should meet the following requirements:

© 2007, Temple University. All rights reserved. 540
1. All requirements for the B.A. or B.S. degree in Mathematics must be met with a GPA of at least 3.50 in the Mathematics courses.
2. At the time of graduation, the student's overall GPA, including all college-level courses, must be at least 3.25.
3. A student must either have a GPA of 3.50 or higher in the following courses: Math 3141, Math 3142, Math 3098, Math 3101, Math 4051 and any other 4000-level course other than individual study, or a student must complete a graduate math course 5000 level or higher with a grade of B or better.

### Natural Sciences

Dr. Mia Luehrmann, Program Director
Barton Hall, Room 411
215-204-2888
mia.luehrmann@temple.edu
www.temple.edu/cst

### Major requirements

Foundation courses 62 s.h., Biology 1011 and 1012, Chemistry 1031/1033 and 1032/1034, CIS 1068, Geology 1001, Mathematics 1041 and 1042, Physics 1004, 1021 and 1022, CST 3001 and CST 4351 along with 4 science concentration electives. The four electives chosen to satisfy the science concentration must be above the 2000 level from one of the following department: Biology, Chemistry, Geology or Physics. Furthermore they must all be taken in the same department.

### Natural Sciences - Bachelor of Arts

**Bachelor of Arts Requirements for the Major**

#### YEAR 1 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1031</td>
<td>General Chemistry I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1033</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1041</td>
<td>General Chemical Science I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1043</td>
<td>General Chemical Science I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1951</td>
<td>Honors General Chemistry I and</td>
<td>3</td>
<td>SA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1953</td>
<td>Honors General Chemistry I Laboratory</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>Honors Calculus I</td>
<td>4</td>
<td>QB</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### YEAR 1 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1032</td>
<td>General Chemistry II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1034</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1042</td>
<td>General Chemical Science II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1044</td>
<td>General Chemical Science II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1952</td>
<td>Honors General Chemistry II and</td>
<td>3</td>
<td>SB</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1954</td>
<td>Honors General Chemistry II Laboratory</td>
<td>1</td>
<td>SB</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>Honors Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### YEAR 2 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Credits in Coursework for B.A. in Natural Science

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core / Elective Credits</td>
<td>57-61</td>
</tr>
<tr>
<td>Total Credits for B.A. Degree</td>
<td>123</td>
</tr>
</tbody>
</table>

### Physics

Dr. C. Jeff Martoff, Chair  
Dr. Zbigniew Dziembowski, Advisor  
Barton Hall, Room A225  
215-204-7639  
zbig.dziembowski@temple.edu

The Physics Department offers B.A. and B.S. degree programs, both of which provide excellent preparation for graduate studies.
The B.S. program provides for a broadening of the more applied aspects of a student's training and is recommended particularly for those intending to enter industry with a bachelor's degree. Both the B.S. and the B.A. programs are options for those planning careers in the medical or life sciences.

**Bachelor of Arts Requirements**

Calculus I, II, III; Calculus-based Physics I, II; and Physics 2101, 2502, 2701, 3101, 3301, 3302, 4101, 4302, 4796. In addition to these, one course must be chosen from: Physics 2501, 3701, 4301.

<table>
<thead>
<tr>
<th>YEAR 1 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1041</td>
<td>Calculus I</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1941</td>
<td>or Honors Calculus I</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1061</td>
<td>Elementary Classical Physics I</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2021</td>
<td>or General Physics I</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 1 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>1042</td>
<td>Calculus II</td>
<td>4</td>
<td>QB</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1942</td>
<td>or Honors Calculus II</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1062</td>
<td>Elementary Classical Physics II</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2022</td>
<td>or General Physics II</td>
<td>4</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>8</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 2 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2501*</td>
<td>Computing for Scientists</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 2 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>2101</td>
<td>Classical Mechanics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2502</td>
<td>Mathematical Physics</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 3 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>3101</td>
<td>Analytical Mechanics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3301</td>
<td>Electricity and Magnetism</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>7</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 3 – Spring</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>3302</td>
<td>Classical Electromagnetism</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3701*</td>
<td>Introduction to Quantum Mechanics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEAR 4 – Fall</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4101</td>
<td>Thermodynamics and Kinetic Theory</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4301*</td>
<td>Electronics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
### Credits in Coursework for B.A. in Physics

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4302</td>
<td>Optics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

**YEAR 4 – Spring**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4796</td>
<td>Experimental Physics</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
</tbody>
</table>

*One course chosen from: Physics 2501, 3701, 4301*

---

### Bachelor of Science Requirements

Calculus I, II, III; Calculus-based Physics I, II; Physics 2101, 2501, 2502, 2701, 3101, 3301, 3302, 3701, 4101, 4302, 4796; Math 3041; two required science or mathematics electives. In addition to these, two courses must be chosen from: Physics 4301, 4701, 4702.

---

### YEAR 1 – FALL and YEAR 1- SPRING

Identical to B.A. Requirements

---

### YEAR 2 – Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>2043</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>3041</td>
<td>Differential Equations I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2501</td>
<td>Computing for Scientists</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>10</strong></td>
<td></td>
</tr>
</tbody>
</table>

---

### YEAR 2 – Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>2101</td>
<td>Classical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2502</td>
<td>Mathematical Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>2701</td>
<td>Introduction to Modern Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>11</strong></td>
<td></td>
</tr>
</tbody>
</table>

---

### YEAR 3 – Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>3101</td>
<td>Analytical Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3301</td>
<td>Electricity and Magnetism</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td>Elective</td>
<td>Two courses in biology, chemistry, engineering, geology, mathematics, or advanced physics chosen in consultation with an advisor</td>
<td>6-8</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>14-16</strong></td>
<td></td>
</tr>
</tbody>
</table>

---

### YEAR 3 – Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>3302</td>
<td>Classical Electromagnetism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3701</td>
<td>Introduction to Quantum Mechanics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

---

### YEAR 4 – Fall

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4101</td>
<td>Thermodynamics and Kinetic Theory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4301*</td>
<td>Electronics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4302</td>
<td>Optics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>9</strong></td>
<td></td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
YEAR 4 – Spring

<table>
<thead>
<tr>
<th>Department</th>
<th>Course#</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4701*</td>
<td>Introduction to Solid State Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Note: Physics 4701 is offered in even-numbered years.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4702*</td>
<td>Introduction of Atomic, Nuclear, &amp; Particle Physics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Note: Physics 4702 is offered in odd-numbered years.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4796</td>
<td>Experimental Physics</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

Subtotal 6

*Two courses chosen from: Physics 4301, 4701, 4702.

| Credits in Coursework for B.S. in Physics | 72-74 |
| Core / Elective Credits                   | 49-51 |
| Total Credits for B.S. Degree             | 123   |

Minor Requirements
Students wishing to minor in Physics should take 8 semester hours of Calculus-based Physics I, II (Physics 1061-1062 or equivalent), Electricity and Magnetism (Physics 3301) or Introduction to Electromagnetic Fields and Waves (Electrical Engineering 3712), Introduction to Modern Physics (Physics 2701), and 6 additional semester hours of Physics courses at or above the 2000 level, chosen with the approval of the Undergraduate Physics Advisor.

Minors in Electrical and Mechanical Science
These minors are designed for Physics majors considering graduate work in Electrical or Mechanical Engineering or exploring career opportunities in branches of Engineering close to Physics. The student must maintain a GPA of 2.5 or better in these minors. Students who are interested in Engineering/Applied Physics but do not have time for a full minor should nevertheless review these minors and consult with the Physics Advisor about the possibility of taking courses in Engineering. Since Physics and Engineering Core Curricula overlap significantly, a Physics major can often learn an interesting Engineering specialty by taking a relatively modest number of courses.

Requirements for the Electrical Science Minor
Requirements for the Electrical Science Minor are: EE 2312, EE 2322, EE 3512, plus a minimum of 9 semester hours of 2000- and 3000-level electives, chosen in consultation with an advisor in the Electrical Engineering Department. (The EE 2322 lab largely duplicates the labs for Physics 3301 and Physics 4301 and is therefore not required.) The following example elective sequence emphasizes solid state devices and might be of particular interest to a Physics major: EE 2612/2613 and EE 3312/3313.

Requirements for the Mechanical Science Minor
Requirements for the Mechanical Science Minor are: Engineering 2331, Engineering 2333 or 2332, ME 3301 and ME 3305 Lab, plus a minimum of 11 semester hours of 2000- and 3000-level electives, chosen in consultation with an advisor in the Mechanical Engineering Department.

Five-Year Master’s Program:

Five-Year B.A. or B.S./M.A.
This program allows a talented student to obtain both a bachelor's and a master's degree in five years. A physics major may apply for the program during the junior or senior year. Please consult the advisor for details.

Five-Year Master’s/Secondary Education Certification Program
This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following website:
www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Distinction in Major
A student who wishes to graduate with distinction in the major must complete all courses required for the physics major with a GPA of 3.5 or better, and carry out an independent study or undergraduate thesis project. Consult the Undergraduate Physics Advisor for more details.
SCHOOL OF SOCIAL ADMINISTRATION

Founded 1969

Linda Mauro, Interim Dean
553 Ritter Hall Annex
1301 W. Cecil B. Moore Avenue
215-204-8623
www.temple.edu/socialwork

Mission and Goals
The School was established in 1969 to prepare individuals for professional practice and for positions of leadership in social work and in the broader human services arena. The distinctive mission of the School, rooted in humanistic and democratic values, is reflected in a broad and vigorous commitment to the elimination of human suffering and social injustice and to the promotion of human rights and social equality. Its educational programs are therefore centered on intervention strategies on behalf of those populations and persons who are underserved, victimized, or denied full access to social opportunities and resources. Poverty, racism, sexism, homophobia and other forms of discrimination and disenfranchisement are priority concerns of the School, as are those social problems associated with life in the inner city.

The School of Social Administration (SSA) is dedicated to societal transformations to eliminate social, political, and economic injustices for poor and oppressed populations, and advance the quality of life for all through:

- Education emphasizing the discovery of knowledge and the use of critical inquiry and professional ethics to guide solution-seeking and action-taking to effect social change among professional social workers in front-line, supervisory, managerial, and leadership positions.
- Research and scholarship to advance applied knowledge and generate evidence-based strategies to resolve problems occurring between people and their social environments at local, state, national, and global levels.
- Public service to aid the dissemination of knowledge and evidence-based strategies, and the responsiveness of the School to the needs of constituents through collaborations and partnerships with communities, agencies, and organizations.

BSW Program Objectives
At the completion of the BSW curriculum, students will demonstrate the ability to:

1. Apply strategies of social change and advocacy that help advance social, political, and economic justice.

2. Use critical inquiry and scientific research methods, both qualitative and quantitative, to evaluate and advance one’s own social work practice and that of the profession.

3. Understand and work to eliminate the forms and mechanisms of oppression and discrimination at all system levels.

4. Practice with knowledge, skills, and respect with regard to age, class, color, culture, ethnicity, family structure, gender, language, marital status, national origin, physical and/or mental disabilities, race, religion, sex, and sexual orientation.

5. Understand and adhere to the values, ethical standards and principles of the social work profession.

6. Use knowledge of the social work profession’s history, concerns, and societal contributions to inform contemporary issues in practice.

7. Practice with the skills and knowledge base of a culturally competent generalist social work practitioner at all system levels.

8. Demonstrate professional use of self in their practice with effective communication skills, self-awareness, inclusion of supervision and consultation, and the creation of positive change within organizations and service delivery systems.

© 2007, Temple University. All rights reserved.
9. Understand, analyze, influence, and formulate social policies.

10. Critically apply theoretical frameworks, supported by empirical evidence, that offer insight into the development and behavior of individuals over the life span and the interactions among individuals, families, groups, organizations, and communities.

**Accreditation**

The Bachelor of Social Work and the Master of Social Work programs are accredited by the Council on Social Work Education. This attests to the educational quality of the curricula and to the qualifications of graduates to assume professional positions that legally require applicants to have these degrees.

**Honors/Honor Society**

**President's Scholars** - A President's Scholar designation refers to a graduating senior who has earned a 3.75 cumulative GPA for the first seven semesters, or 108 credit hours. Transfer students must have completed a total of 60 credit hours at Temple by graduation. A special awards ceremony is held each year in April for these students and their families.

**Dean's List** - Academic achievement is recognized and valued by the School and the University. In this regard, the School follows the GPA recognized by the University. Dean's List is achieved each semester that a full-time student (12-17 semester hours) earns both a 3.50 semester average and a 3.50 cumulative average. Notation appears on the student transcript.

**Alpha Delta Mu National Social Work Honor Society** - Students with a cumulative GPA of 3.50 or above may apply for nomination to Alpha Delta Mu. Juniors and seniors are eligible for membership. Students should discuss this with their advisors.

**Student Groups**

Students at Temple University's School of Social Administration are part of a diverse community. The School offers an opportunity to be in class with diverse students who have had different life experiences and who represent varied points of view. In addition to classroom learning, SSA offers a number of ways in which students can come together as a community. The main student organization at SSA is the SSA Student Collective.

The Student Collective is the organization of both undergraduate and graduate students matriculated in the SSA Program. The Student Collective sponsors activities each academic year of a social, educational, and professional nature. Student representatives, selected by the Collective, sit on various School committees as voting members. The Collective was formed to represent a unified student voice that incorporates all the diversity of the student body. For additional information, contact the Director of Admissions and Student Services or see the bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

In addition to the Student Collective, students can choose to participate in a range of other social work organizations at SSA. The activity level of many groups varies from year to year since their existence is dependent on students stepping forward and organizing meetings and events.

Groups that are consistently active include:

**National Social Work Honor Society (Beta Rho Chapter, Alpha Delta Mu)**

The purpose of this organization is to advance excellence in social work practice and to encourage, stimulate and maintain scholarship of the individual members in all fields, particularly in social work. For current activities, see the bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

**Alumni Association**

For more information about SSA's alumni/ae association, contact the General Alumni Association for names and numbers of current officers at 215-204-7524.

**National Association of Social Workers-Philadelphia Division (NASW)**
NASW is a professional organization that works on behalf of its members and the consumers they serve. Applications are available on the NASW bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

If you are interested in contributing your time, energy and ideas to any of the following groups that have added, over the years, to the rich diversity of activities at SSA, please contact the Director of Admissions and Student Services.

**Latino Social Work Organization (LSWO)**

LSWO was founded in 1992 by a group of young social workers in Chicago. Temple students involved in LSWO have advocated for quality bilingual/bicultural services to Latinos and other oppressed communities.

**Student Association of Black Social Workers (SABSW)**

SABSW is a non-profit organization created to serve African-American students and the community. The SABSW works towards unifying Black Social Work students in the School of Social Administration. The SABSW will also work with any student organization on campus or the immediate community to further the educational, political, academic, communal, and social plight of students at large.

**Pride in Social Work (PSW)**

PSW provides support, education, and advocacy for gay, lesbian, bi-sexual and transgendered students and their supporters. For additional information on Pride in Social Work at Temple University, contact Professor Bernie Newman at 215-204-1205.

**Underground Railroad – Temple Depot (URR)**

The URR works together with the Poor People’s Economic Human Rights Campaign focusing on direct actions, such as lobbying, advocacy, demonstrations, and support of grass-roots movements for social justice.

**Special Facilities:**

**Job Resources Bank**

In addition to the help provided by the Office of Career Development Services, the School of Social Administration maintains its own Job Resources Bank geared specifically to the needs and career interests of social workers. Information about employment opportunities is regularly collected, updated, and posted in the lobby on the fifth floor of Ritter Hall Annex. SSA also organizes an annual Jobs Fair with a wide range of agencies attending. The School's liaison in Career Services meets frequently with students to provide career information as well as specific leads on employment. The Office of Career Services plans and conducts special workshops and seminars specifically oriented to students in Social Administration.

**Academic Advising**

Office of Admissions and Student Services
Ritter Annex 521
215-204-8623

Academic professionals serve as academic advisors to social work majors. Early and regular contact with the advisor can be extremely helpful. The advisor is a knowledgeable person with whom students may discuss issues of concern in relation to university regulations, as well as course selection. At SSA, advising services are provided through the Office of Admissions and Student Services.

Academic advisors are particularly important for social work majors. The BSW curriculum is organized so that courses scheduled to be taken taken later in the program assume, and build on, the knowledge and skill foundation provided in the liberal arts and social work courses taken earlier. For this reason, most social work courses designate successful completion (with a C- or better) of earlier courses as prerequisite to taking later courses. Additionally, SSA requires that three of the social work courses required in each semester of the senior year -- research, the seminar in social work practice, and the field practicum -- be taken concurrently. This program of study for BSW students has been carefully designed and approved by faculty. It is intended to provide students with a coherent, integrated, and high quality learning experience. Advisors can be especially helpful in suggesting the best ways to complete the program of study.
Although students must assume primary responsibility for knowing the requirements for their degree and for acquiring information about their academic status, student advisors can help students if they have any questions. Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising.

**New Career Ladders in Social Work**
Ritter Annex - Fifth floor
215-204-8623 (Sandra Gideon)

New Career Ladders is an alternative entry route to college for persons with demonstrated interest and motivation in the human services field and who meet the following criteria: 1) have been or are currently an employee or volunteer in a human service organization; 2) have a high school or GED diploma; and 3) are 22 years of age or older.

New Career Ladders students enter the undergraduate program leading to the degree of Bachelor of Social Work and are expected to meet all requirements of the curriculum. The resources of the University are available for tutoring and aid with study skills as well as for assistance in obtaining financial aid for those eligible. All New Career Ladders students attend communication skills classes to aid in their transition to higher education.

**Transfer Students from Schools Outside of Temple**
Persons expecting to transfer to Temple’s Undergraduate Social Work Program are urged to contact the School at 215-204-8623 for an appointment as soon as they have identified interest in this program. (See Undergraduate Admissions regarding transfer admissions.) Those who transfer more than 30 semester hours will begin their course work with Social Work 3005, Helping Processes I, which is only offered in the fall.

Students who transfer from two-year associate degree programs in Human Services are expected to complete all professional courses as well as the Core Curriculum.

SW 2003 and SW 2004 are offered in the summer for transfer students who have successfully completed SW 3005-3006 and have the necessary credits (85) and courses to enroll in Senior Seminar and Senior Practica (SW 4096/4187 - 4097/4287) in the fall. Students are expected to be majors in the program a minimum of two years and a summer.

**Policies and Regulations**
Please see the Undergraduate Academic Policies. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the School of Social Administration, appear below.

It is expected that students will meet regularly with their advisors so that the course selection process affords the student appropriate choices and options.

**Courses Inapplicable to the Degree**
Credits for ELECT, Mathematics 0015 (formerly Math 0001), English (Composition) 0701, SRAP, and Military Science do not count toward graduation requirements.

**Program Performance**
Social work majors are expected to maintain a cumulative GPA of 2.00 or above. Students are expected to maintain grades of C- or above in each of the professional and professionally-related courses. Students who obtain a D+ or below in one of the courses in the social work major must repeat the course.

**Collegial Warning** will be issued to students whose GPA falls below 2.00 for one semester. Students should not register for more than 12 s.h. until they improve their average.

**Collegial Probation:** Students who fall below a 2.00 either for the semester or for their cumulative average will be placed on probation. They may register for no more than 12 s.h. for the next term in order to improve their average. If their average is still below a 2.00 after two semesters of academic probation, students are subject to being dropped from the Social Work Program in the School of Social Administration.
**Dropped from the Program:** If the student does not achieve a cumulative average of 2.00 or show evidence of substantive scholastic improvement after two semesters on collegial probation and a 12 s.h. roster, the student is subject to being dropped from the School.

**Readmission Application**

To re-enter the School of Social Administration, students must submit an appropriate application to the Director of Admissions and Student Services. Applications of students seeking readmission after an absence of more than two semesters, not including summers, will be reviewed by the Director of the B.S.W. program. If the student is accepted for readmission, his or her program for completion of degree requirements will be planned in accordance with those currently operative in the program. If courses were taken elsewhere, applicants are responsible for having official transcripts available when submitting the readmission application.

Applicants who wish to enroll in a school or college other than the one in which they were last enrolled must first be accepted for readmission by the original college and then file an Intra-University Transfer form.

A student who has been dropped from the School may petition for readmission only after a period of at least one semester. This period does not include the summer sessions.

**Transfer from Schools within the University**

Students who are in good standing in the University may transfer to the School of Social Administration at any point during their academic career. Before transferring, students are encouraged to arrange to have conferences with both the original school advisor and the social work admissions counselor.

Because of the professional requirements and the sequential nature of the curriculum, students are encouraged to enter the program as early as possible. Students are expected to be majors in the social work program for a minimum of two years.

**General Graduation Requirements**

In order to receive a Bachelor of Social Work degree, a student must complete: a minimum of 124 semester hours, the University Core Curriculum, and the School of Social Administration curriculum. A potential graduate must also hold a cumulative GPA of 2.00 or better, and meet any additional requirements, such as the Temple Information Literacy Tutorial (TILT).

**Important Student Contact Information**

Gradette Willis, MSW  
Director of Admissions and Student Services  
School of Social Administration  
Ritter Annex 521  
215-204-8623

**Administrators and Faculty**

**Administrative Officers**

Linda Mauro, Interim Dean, D.S.W., University of Pennsylvania  
Cheryl Hyde, Assistant Dean for Field and Continuing Education, Ph.D., University of Michigan  
Link Martin, Assistant Dean and Director of the Harrisburg Program, M.S.W., University of Hawaii  
Marsha Zibalese-Crawford, Department Chairperson, D.S.W., Howard University  
Bernie Newman, Director, MSW Program, Ph.D., University of Pittsburgh  
Rosalie Schofield, Director, BSW Program, Ph.D., Brandeis University  
Maria Chaney, Executive Administrator

© 2007, Temple University. All rights reserved.
Social Administration Faculty and Professional Staff

Professor
Larry Icard, Ph.D., Columbia University
Thad Mathis, Ph.D., Temple University
Linda M. Mauro, D.S.W., University of Pennsylvania
Edward Newman, Ph.D., Brandeis University

Associate Professor
Israel Colon, Ph.D., Brandeis University
Marsha Z. Crawford, D.S.W., Howard University
Jay S. Fagan, D.S.W., Columbia University
Cheryl Hyde, Ph.D., University of Michigan
Lois Millner, Ph.D., Bryn Mawr College
Jacqueline Lloyd, Ph.D., Johns Hopkins University
Bernie S. Newman, Ph.D., University of Pittsburgh
Emeka Nwadiora, D.S.W., Howard University, Ph.D., Temple University
David Zanis, Ph.D., University of Pennsylvania

Assistant Professor
Karin Eyrich, Ph.D., Washington University in Saint Louis
Jacqueline Lloyd, Ph.D., Johns Hopkins University
Scott Edward Rutledge, Ph.D., University of Washington

Senior Instructor
Ron Costen, Ph.D., University of Pittsburgh
Eileen E. Widerman, Ph.D., Temple University

Clinical Assistant Professor
Mark Schmitz, Ph.D., University of Iowa

Instructor
Ron Hollm, M.S.W., Marywood University
Cheri C. Johnson, Ph.D., University of Delaware
Joseph Kumi, M.S.W., Florida State University

Field Education Office
Cheryl Hyde, Ph.D., University of Michigan
Virginia Bruner, M.S.W., Temple University
Valarie Clemmons, M.S.W., Temple University
Craig Cohen, Ph.D., Yeshiva University
Paul L. Dannenfelser, M.S.S.W., Columbia University
Lynn Notestine, M.S.W., University of Pittsburgh
Gloria M. Zucker, M.S.W., University of Michigan

Office of Admissions and Student Services
Gradette Willis, M.S.W., Director
Valerie Johnson-Roberts, A.A.S., Pierce College
Delores Ranolph, M.S.W., Temple University
Michele White, M.S.W., Temple University
Ginger Nicholson, Administrative Assistant
Mission Statement
The School of Social Administration (SSA) is dedicated to societal transformations to eliminate social, political, and economic injustices for poor and oppressed populations, and advance the quality of life for all through:

- Education emphasizing the discovery of knowledge, use of critical inquiry and professional ethics to guide solution-seeking and action-taking to effect social change among professional social workers in front-line, supervisory, managerial, and other leadership positions.
- Research and scholarship to advance applied knowledge and generate evidence-based strategies to resolve problems occurring between people and their social environments at local, state, national, and global levels.
- Public service that aids the dissemination of knowledge and evidence-based strategies through collaborations and partnerships with communities, agencies, and organizations.

Goals
The goals of the School of Social Administration are:

1. the preparation of ethical and competent social work practitioners and leaders who are committed to social and economic justice and to the eradication of barriers to the fullest development of human potential;
2. the provision of educational opportunities to a diverse population of students representative of the constituencies served;
3. the production of scholarship and research that contributes to the social work knowledge base;
4. the engagement in service-related activities with relevant constituencies.

The primary goal of the Baccalaureate in Social Work (B.S.W.) program is to prepare entry-level, generalist, social work practitioners committed to social work practice that ensures human rights and social, economic and cultural rights for all. Students who graduate from SSA understand the effects of structural inequities based on race, class, gender, sexual orientation, and other forms of oppression and discrimination. Graduates also practice social work using the strengths perspective and partner with people to increase access to resources and power.

B.S.W. Curricular Objectives
By completion of their undergraduate studies, students will be able to:

- apply skills and knowledge of generalist social work practice with systems of all sizes;
- understand human behavior from holistic and developmental perspectives that encompass dynamic interaction among social, political, cultural, economic, psychological, spiritual, and biological factors;
- critically select and apply theories and research findings to social work practice;
- understand and adhere to professional social work values and ethics;
- assess situations using knowledge about the effects of structural injustices based on race, class, gender, culture, sexual orientation, ability, age, and other forms of oppression;
- exercise self-awareness and reflection as part of the development of their professional and personal selves;
- engage in practice that enhances the capabilities of people to transform their lives and communities;
- communicate effectively verbally, non-verbally and in writing with agencies, advocates, legislatures, policy makers and people in client status;
- practice social work with a commitment to social and economic justice and the empowerment of individuals, families, groups, organizations, and communities;
- evaluate the effectiveness of their own practice;
- understand the relationship of historic social patterns, values and institutional arrangement, recognizing their impact on social welfare policy and services and the social work profession;
- use supervision and consultation to enhance their professional development and the delivery of services;
• understand the dynamics of human service organizations and know how to engage in productive organizational change;
• understand how global issues affect local practice.

The B.S.W. Curriculum
The B.S.W. curriculum is organized so that courses scheduled to be taken later in the program assume, and build on, the knowledge and skill foundation provided in the liberal arts and social work courses taken earlier. For this reason, most social work courses designate successful completion (with a C- or better) of earlier courses as prerequisite to taking later courses. Additionally, SSA requires that three of the social work courses required in each semester of the senior year -- research, the seminar in social work practice, and the field practicum -- be taken concurrently. This program of study for B.S.W. students has been carefully designed and approved by faculty. It is intended to provide students with a coherent, integrated, and high quality learning experience.

Requirements for the Degree of Bachelor of Social Work (B.S.W.)

• Satisfactory completion of a minimum of 124 semester hours of credit.
• A minimum cumulative GPA of 2.00 overall and in the major.
• A grade of "C-" or higher is required in all Core courses. A grade of "C-" or better is required in courses for the major.

University Requirement
University Core Curriculum requirements (18 s.h.), Math 1011, English 1002, Intellectual Heritage 1196 and 1297, Arts, Foreign language or International Studies.

1. Completion of the Library Orientation, now called the Temple Information Literacy Tutorial (TILT).
2. Major requirements.
3. Lower-level courses (34 s.h.): Specified Core courses, plus: Economics 1001, 1101, 1102, or 1103; History 1102 or African American Studies 1268; Anthropology 1061; Biology 1001 or Kinesiology 1223; Political Science 1101; Psychology 1061; Sociology 1176; Statistics 2101 or Math 1013 or Sociology 1167 or Psychology 1167.
5. Courses in Social Work (59 s.h.).
6. Electives (approximately 13 s.h.).
7. Field Work Practice: A minimum of 400 hours in supervised field settings is required. Students are overseen by an M.S.W. (or B.S.W. with at least two years of experience). They are directly involved in professional tasks in the agency and in the community. This component of the educational program of study facilitates the integration of classroom learning particularly in the social work subject areas of human behavior, policy, practice, and research. Students apply what they are learning and receive feedback from both classroom and field instructors on their work.

Some of the fields of practice in the five-county area in which majors do their field work are:

• Aging: including adult service centers; assistance in a variety of public and private organizations, treatment and protective functions;
• Children and Youth: child abuse, foster care and adoption agencies, parenting and support services;
• Community Organization/Planning: public issues and policies, neighborhood services at settlements, Y's, community centers;
• Correctional/Justice: probation, parole, prison, community rehabilitation organizations;
• Developmental Disabilities: community living arrangements, day programs, other public and private functions;
• Education: schools and alternative education programs;
• Family Services: material aid, crisis intervention, ongoing counseling;
• Health/Hospitals: advising, counseling, direct service with and on behalf of patients; a variety of functions in hospitals and community health centers;
• Legal: public agencies assisting low income population in matters relating to law, housing, discrimination, etc.;
• Mental Health: small and large institutions, community-based units, public and private auspices;
• Substance Abuse: counseling, direct service in a variety of settings, both public and private;
• Violence and Domestic Issues: domestic violence of all kinds, sexual assault, child abuse, in a wide variety of settings.
## B.S.W. Program of Study

### YEAR 1 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>1001</td>
<td>Introduction to Social Welfare &amp; Human Services</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>1002</td>
<td>College Composition</td>
<td>3</td>
<td>CO</td>
</tr>
<tr>
<td>African American St.</td>
<td>1268</td>
<td>African American History Since 1900</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>History of the U.S. Since 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Math</td>
<td>1011</td>
<td>College Mathematics</td>
<td>3</td>
<td>QA</td>
</tr>
<tr>
<td>Sociology</td>
<td>1176</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 1 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>Elective</td>
<td>International Studies/Foreign Language</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Psychology</td>
<td>1061</td>
<td>Psychology as a Social Science</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Biology</td>
<td>1001</td>
<td>Human Biology (includes lab)</td>
<td>4</td>
<td>SA</td>
</tr>
<tr>
<td>Political Science</td>
<td>1101</td>
<td>The American Political System</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Social Work</td>
<td>1002</td>
<td>Communication in Social Work Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 2 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>3005</td>
<td>Helping Processes in Social Work I (6 hour/week field practicum requirement)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Social Work</td>
<td>3007</td>
<td>Human Behavior in the Social Environment</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Elective or Certificate Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>Core</td>
<td>Library Orientation (TILT)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 2 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>3006</td>
<td>Helping Processes in Social Work II (6 hour/week field practicum requirement)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>3011</td>
<td>Social Worker in the Group</td>
<td>3</td>
<td>AR</td>
</tr>
<tr>
<td>Core</td>
<td>Elective</td>
<td>Arts</td>
<td>3</td>
<td>IB</td>
</tr>
<tr>
<td>IH</td>
<td>1297</td>
<td>Intellectual Heritage II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Select one of the following:</strong></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>1167</td>
<td>Social Statistics</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Psychology</td>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1013</td>
<td>Elements of Statistics</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Statistical Methods &amp; Concepts</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

### YEAR 3 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>2003</td>
<td>The History &amp; Values of Social Welfare</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Social Work</td>
<td>3008</td>
<td>Institutional Racism</td>
<td>3</td>
<td>RS</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved. 554
### Political Science

- **Core**
  - See Advisor for suggested courses
- **Required Elective**
  - Elective

### Required Elective

- **Total** 3

### Core

- **Total** 4 SB

### Required Elective

- **Total** 3

### Total

- **Total** 16

### YEAR 3 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>2004</td>
<td>Social Welfare in the United States</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1001</td>
<td>Introduction to the Economy</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1102</td>
<td>Microeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Economics</td>
<td>1103</td>
<td>Global Economics Issues</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td>Social Work</td>
<td>Upper-Level Elective</td>
<td>Upper-Level Socio-Behavioral Elective 2000+ (See Advisor for suggested courses)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Required Elective</td>
<td></td>
<td>Elective or Certificate Course</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

### Total

- **Total** 12

### B.S.W. Program of Study

#### Transfer Students with 45 Credits or More or Core-To-Core Transfer

Students who transfer 64 credits may be eligible to complete the B.S.W. degree requirements in two years of full time study and two summer sessions. This depends on the number of credits that Temple accepts and what requirements they match in Temple's curriculum. All core curriculum and B.S.W. degree requirements must be met.

#### Major requirements

- Lower-level courses: Specified Core courses, plus: Economics 1001, 1101, 1102, or 1103; History 1102 or African American Studies 1268; Anthropology 1061; Biology 1001 or Kinesiology 1223; Political Science 1101; Psychology 1061; Sociology 1176; Statistics 2101 or Math 1013 or Sociology 1167 or Psychology 1167.
- Courses in Social Work (59 s.h.).
## YEAR 1 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>3005</td>
<td>Helping Processes in Social Work I</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3007</td>
<td>Human Behavior in the Social Environment</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>IH</td>
<td>1196</td>
<td>Intellectual Heritage I</td>
<td>3</td>
<td>IA</td>
</tr>
<tr>
<td>African American St.</td>
<td>1268</td>
<td>African American History Since 1900</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>History</td>
<td>1102</td>
<td>History of the U.S. Since 1877</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Anthropology</td>
<td>1061</td>
<td>Cultures of the World</td>
<td>3</td>
<td>IS</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 1 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>3006</td>
<td>Helping Processes in Social Work II</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1002</td>
<td>Communication in Social Work Practice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>3011</td>
<td>Social Worker in the Group</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>1101</td>
<td>The American Political System</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Sociology</td>
<td>1167</td>
<td>Social Statistics</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Psychology</td>
<td>1167</td>
<td>Foundations in Statistical Methods</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Math</td>
<td>1013</td>
<td>Elements of Statistics</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td>Statistics</td>
<td>2101</td>
<td>Statistical Methods &amp; Concepts</td>
<td></td>
<td>QB</td>
</tr>
<tr>
<td><strong>Select one of the following:</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 1 - SUMMER I

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>2003</td>
<td>The History &amp; Values of Social Welfare</td>
<td>3</td>
<td>AC</td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 1 - SUMMER II

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>Upper-level Elective</td>
<td>Upper-Level Socio-Behavioral Elective (See BSW Handbook for suggested courses)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>6</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 2 - FALL

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Work</td>
<td>3009</td>
<td>Patterns of Social Service Delivery</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>4096</td>
<td>Seminar in Social Work Practice</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>Social Work</td>
<td>4187</td>
<td>Practicum (16 hour/week field practicum requirement)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>4013</td>
<td>Introduction to Social Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>3008</td>
<td>Institutional Racism</td>
<td>3</td>
<td>RS</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

## YEAR 2 - SPRING

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
</table>
SCHOOL OF TOURISM & HOSPITALITY MANAGEMENT

Founded 1998

M. Moshe Porat, Dean
Elizabeth H. Barber, Associate Dean
1700 N. Broad St.
Suite 412 (062-62)
Philadelphia, PA 19122
215-204-8701
www.temple.edu/STHM/
sthm@temple.edu

Accreditation

The baccalaureate degree program in Sport and Recreation Management is currently accredited by the National Recreation and Park Association/American Association for Leisure and Recreation (NRPA/AALR) Council on Accreditation. In addition, the baccalaureate degree program is approved by the Sport Management Program Review Council (SMPRC), sponsored by the North American Society for Sport Management and the National Association for Sport and Physical Education (NASSM/NASPE).

Goals and Objectives

The total experience within the School of Tourism and Hospitality Management enables students to have an excellent fundamental education and exposure to working professionals, internships, and personalized placement services. As a result, students are given a competitive advantage in a job market projected to double in the next decade.

The School of Tourism and Hospitality Management offers two undergraduate major programs: (1) Sport and Recreation Management, and (2) Tourism and Hospitality Management. The undergraduate majors are designed to prepare students for a variety of positions in the leisure service field. The focus of the undergraduate programs is to provide a broad educational foundation and to prepare students for entry into the sport and recreation management, leisure service, or tourism and hospitality occupations at the professional level.

The Sport and Recreation Management program prepares students interested in sport and recreation careers in the private/commercial sector, public recreation and park agencies, voluntary agencies, campus services, armed forces, and corporate/industrial settings. The Tourism and Hospitality Management program prepares students for entry-level to mid-level positions in tourism, hospitality, and commercial recreation. The program prepares students to work in convention and visitors' bureaus, conference centers, resorts, casinos, hotels, theme parks, theaters, and clubs throughout the United States. Both programs consist of course work in the University Core Curriculum, the School major course requirements, the supplemental electives from related disciplines, and two supervised field experiences.

Admissions

If you are applying for admission to Temple University as a freshman or transfer student, and you wish to major in Sport and Recreation Management or Tourism and Hospitality Management, you should designate the School of Tourism and Hospitality Management (Code 023) on your application. All transfer students must seek individual program advice from the Advising Center.
Financial Aid and Scholarships
Information regarding financial aid and scholarships is available from the Office of Student Financial Services at www.temple.edu/sfs/. For additional information pertaining to specific scholarships within the School's disciplines, refer to the advising unit.

Special Programs and/or Professional Certification
Honors Laptop Community Students admitted to the University Honors Program are eligible, by invitation only, to be part of the School of Tourism and Hospitality Management's Honors Laptop Community. Students participate in pre-approved Fox School of Business and Management Honors courses in pursuit of a Business Minor, with the added benefit of their own University-issued laptop computer.

Student Association Information
Professional development begins with membership to associations/organizations for all STHM students. We encourage our students to consider joining one of the following groups during their academic tenure in the School of Tourism and Hospitality Management. See our Advising Center for additional information. Scholarship opportunities are available within the associations for those who are active members. See the specific association's website for details. Please be reminded that in most cases, students must be a member of the association for at least one year to be eligible for the available scholarships.

STHM Student Association
The School of Tourism and Hospitality Management (STHM) Student Association fosters relationships between our students and professionals in the Sport and Recreation Management and Tourism and Hospitality Management industries through participation in career fairs, networking, and conferences. Membership is open to all undergraduate School of Tourism and Hospitality Management majors.

Sport and Recreation Professional Association (SRPA)
Sport and Recreation Management students seeking professional connections, networking opportunities, opportunities to attend seminars and conferences related to the industry are encouraged to join. This group aspires to connect all students seeking knowledge about law, marketing, facilities, ticketing, sales, special events, college athletics, sports information, professional sports, recreation programming, minor league sports, non-profit recreation, etc.

Hospitality Sales and Marketing Association International (HSMAI)
Tourism and Hospitality Management students looking to embark upon exposure to the Hospitality industry should join this association. The Philadelphia chapter has monthly meetings that are both educational and a great opportunity to network with the industry professionals.

National Society of Minorities in Hospitality (NSMH)
This national student association is open to all majors in STHM. Although the association's focus is primarily on the hotel side of hospitality, the organization exposes minorities to opportunities in the industry nationwide. Temple has the primary local student chapter that is supported by the Multicultural Affairs Congress (MAC) of the Philadelphia Convention and Visitors Bureau (PCVB).

International Special Events Society (ISES)
This national association is open to all majors in STHM. During the spring of 2005, a new Philadelphia student chapter was created. Exposure to local and national special events professionals is the highlight of this association. Opportunity to network at the monthly meeting with established ISES members has the potential to help propel a student's professional career.

Professional Convention Managers Association (PCMA)
STHM started a new student chapter in the fall of 2004, and some of our students attended the national conference in Hawaii. With an exciting beginning and talented leaders of the chapter, this group is looking to expand its local and national recognition with the association. This association is open to all Tourism and Hospitality Management majors.

Hospitality Financial and Technology Professionals (HFTP)
This association is open to all Tourism and Hospitality Management students seeking to be professionally involved in technology or finance at the corporate level. There are local meetings held monthly, and they are open for student involvement. Scholarships are available to members of HFTP. Networking is essential and professionally profitable.

**Special Facilities and Programs**

**The Center for Student Professional Development (CSPD)** - The CSPD links classroom learning to successful career development. Our Director of Industry Relations prepares the students for the latest internship and job opportunities through counseling on résumés, cover letters, interviewing skills, and selection criteria.

**STHM's National Laboratory for Tourism & eCommerce (NLTeC)** - NLTeC at Temple University is multi-disciplinary, multi-departmental and multi-university. The primary mission of NLTeC is to conduct and facilitate high quality inter- and multi-disciplinary research and development in those areas of tourism impacted by technology. To this end, NLTeC provides a unique and powerful setting for scholars and practitioners to consider the nature and role of information technology in the tourism industry. Research by laboratory faculty, staff, and fellows includes the following areas: advertising, business, communications, computer science, education, environmental studies, geography, marketing, management information systems, psychology, and urban and regional planning.

**Academic Advising**

Jeffrey W. Montague, Assistant Dean  
[jeffrey.montague@temple.edu](mailto:jeffrey.montague@temple.edu)

Jennifer Thiel, Assistant Director of Student Services  
1700 N. Broad Street  
Suite 316 (062-62)  
Philadelphia, PA 19122  
jennifer.thiel@temple.edu  
215-204-8712

**Services Provided Through the Advising Center**

The School of Tourism and Hospitality Management advising unit provides individualized information on placement exams and results, majors, minors, course sequence, course load, scheduling, career planning, and academic resources. As a result, students are better equipped to make informed decisions regarding their future endeavors.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

**Special Advising Policies and Procedures**

The School utilizes group advising sessions and encourages appointment-only individualized meetings to assist students with advising issues.

**Academic Policies and Regulations**

Please see [Undergraduate Academic Policies](#) in this Bulletin. Students are responsible for complying with all University-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the School of Tourism and Hospitality Management, appear below.

All advising issues regarding academic policies and regulations should be directed to the School of Tourism and Hospitality Management’s Advising Center located in 1700 N. Broad Street, Suite 316.

**Program Performance** - Students not in good standing are subject to collegial warning and/or probation, or they may be academically dismissed and will be so notified by the Vice Provost of Undergraduate Studies.

**Transfer between Colleges within the University** - Students may initiate transfer to the School of Tourism and Hospitality Management from another college of the University if they are in academic good standing, holding a minimum cumulative GPA of 2.0.
The IUT (Intra-University Transfer) form can be picked up at any advising center or dean's office. Students wishing to transfer into the School of Tourism and Hospitality Management should schedule an interview with the Advising Center to discuss the School's criteria. The IUT form is submitted for consideration during the interview. The student will then be notified of the decision by the Advising Center.

**General School Graduation Requirements**

**The information below is for new freshmen and transfer students admitted fall, 2007. For information prior to this time, refer to the catalog year for your matriculation semester and year.**

**Required GPA for Graduation**

Students seeking a Bachelor of Science degree from the School of Tourism and Hospitality Management must complete 124 semester hours of coursework and have a cumulative GPA of 2.0 and a major GPA of 2.0.

1. Certain courses fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.

2. The total number of credit hours at graduation may vary for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

3. Students are required to ensure that they have fulfilled the necessary prerequisites for any given course or course sequence. Students may read the entire policy in the section on University-wide Academic Policies.

**Important Student Contact Information**

Jeffrey W. Montague, Assistant Dean
215-204-8701
jeffrey.montague@temple.edu

Jennifer J. Thiel (Undergraduate Contact)
Assistant Director of Student Services
1700 N. Broad Street
Suite 316 (062-62)
Philadelphia, PA 19122
215-204-8712
jennifer.thiel@temple.edu

**Faculty**

Elizabeth H. Barber, Ph.D., CHE
Associate Professor and Associate Dean

Debra K. Blair, Ph.D.
Lecturer

Daniel R. Fesenmaier, Ph.D.
Professor, Director of the National Laboratory for Tourism & eCommerce

Joe J. Goldblatt, Ed.D., CSEP
Senior Lecturer and Executive Director for Professional Development Programs and Strategic Partnerships

Clark Hu, Ph.D.
Associate Professor
Michael W. Jackson, HSD
Professor and Director of Graduate Programs in Sport and Recreation Administration

Seoki Lee, Ph.D.
Assistant Professor

Bonnie L. Parkhouse, Ph.D.
Professor

Yvette Reisinger, Ph.D.
Associate Professor

Wesley S. Roehl, Ph.D.
Professor and Director of Graduate Programs in Tourism and Hospitality Management

Ira G. Shapiro, Ph.D.
Professor, Chairperson, and Director for Programs in Sport and Recreation Management

Raymond E. Tedrick, Ph.D.
Professor

(For further faculty members, please see: [http://directory.temple.edu/search/](http://directory.temple.edu/search/))

**Sport and Recreation Management**

Jeffrey W. Montague, Assistant Dean
215-204-8701
jeffrey.montague@temple.edu

Ira G. Shapiro, Department Chair and Director for Programs in Sport and Recreation Management
215-204-6295
ira.shapiro@temple.edu

Jennifer J. Thiel (Undergraduate Contact)
Assistant Director of Student Services
1700 N. Broad Street
Suite 316 (062-62)
Philadelphia, PA 19122
215-204-8712
jennifer.thiel@temple.edu

The information below is for new freshmen and transfer students admitted in the Fall 2007. For information prior to this time, refer to the catalog year for your matriculation semester and year.

**School of Tourism and Hospitality Management Foundation Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>1112</td>
<td>Career Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>1113</td>
<td>Foundation of Leisure</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>1114</td>
<td>Leadership in Tourism, Hospitality, Sport, &amp; Recreation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>2112</td>
<td>Sophomore Research Seminar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>2114</td>
<td>Leisure &amp; Tourism in a Diverse Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3111</td>
<td>Program &amp; Special Event Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3196</td>
<td>Research Methodology</td>
<td>3</td>
<td>WI</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
THM 4112  Senior Professional Development Seminar  (Prerequisite: THM 2112 and successful completion of Core QA and QB requirements)  3

**Total**  21

### School of Tourism and Hospitality Management Internship and Project Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>3185</td>
<td>Junior Internship (180 Hours)  (Prerequisite: C- or better in all STHM 1000 and 2000 level courses)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4185</td>
<td>Senior Internship (600 Hours)  (Prerequisite: C- or better in all STHM courses)  (Co-requisite: THM 4191)</td>
<td>10-12</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4191</td>
<td>Senior Project  (Prerequisite: C- or better in all STHM courses)  (Co-requisite: THM 4185)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16-18</td>
<td></td>
</tr>
</tbody>
</table>

### Major Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>1211</td>
<td>Introduction to Sport &amp; Recreation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3211</td>
<td>Management in Sport &amp; Recreation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3213</td>
<td>Budget &amp; Finance Systems in Sport &amp; Recreation  (Prerequisite: ACCT 2101)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3214</td>
<td>Marketing Management in Sport &amp; Recreation  (Prerequisite: ECON 1101 and MKTG 2101)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4212</td>
<td>Law &amp; Ethics in Sport &amp; Recreation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Select one of the following based on your selected Concentration:</strong></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THM</td>
<td>4221</td>
<td>Current &amp; Ethical Issues in Recreation &amp; Leisure  (Co-requisite: THM 4112)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4222</td>
<td>Current &amp; Ethical Issues in Sport Management  (Co-requisite: THM 4112)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

### Electives (6 Credits Required) or Choose One of the Concentrations

#### Leisure Management Concentration Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>3215</td>
<td>Stadium/Arena Design &amp; Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3328</td>
<td>Gaming &amp; Casino Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3425</td>
<td>Event Management: History, Theory, &amp; Best Practices</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3427</td>
<td>Leisure &amp; Aging Population</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Select two:</strong></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

#### Sport Management Concentration Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>3215</td>
<td>Stadium/Arena Design &amp; Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3224</td>
<td>Sports Information &amp; Media Relations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3227</td>
<td>Advanced Sport Marketing Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Select two:</strong></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

© 2007, Temple University. All rights reserved.
Fox School of Business and Management Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles (Prerequisite: Knowledge of elementary algebra)</td>
<td>3</td>
<td>IN</td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing (Prerequisite: ECON 1101/1102 is highly recommended)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Highly Recommended:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Management</td>
<td>1101</td>
<td>Organization &amp; Management (Prerequisite: English 1002 or 1022)</td>
<td>3</td>
</tr>
</tbody>
</table>

These four classes complete the required lower division courses of the Business Minor.

| Total | 9 |

Free Electives (18 Credits Required)

School of Tourism and Hospitality Management Non-Credit Requirements

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Aid Certification</td>
<td></td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>CPR Certification</td>
<td></td>
<td>Community level or better</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Industry Related Experience</td>
<td></td>
<td>Minimum 250 hours of participation required prior to THM 4112 (Senior Professional Development Seminar)</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

OPTIONS

**Business Minor**

See Advisor. (http://sbm.temple.edu/advising/minor.html#business)

**General Business Studies Minor**

See Advisor. (http://sbm.temple.edu/advising/minor.html)

**Certificate in the Geography of Sport, Recreation, and Tourism Planning**

See Advisor. (http://www.temple.edu/gus/undergraduate/other.htm)

**Certificate of Specialization, Geography of Tourism**

See Advisor. (http://www.temple.edu/gus/undergraduate/other.htm)

**Management Information Systems (MIS) Certificate**

See Advisor. (http://mis.temple.edu)

Tourism and Hospitality Management

Jeffrey W. Montague, Assistant Dean
215-204-8701
jeffrey.montague@temple.edu

Ira G. Shapiro, Department Chair
215-204-6295
ira.shapiro@temple.edu

Jennifer J. Thiel (Undergraduate Contact)
The information below is for new freshmen and transfer students admitted Fall 2007. For information prior to this time, refer to the catalog year for your matriculation semester and year.

**School of Tourism and Hospitality Management Foundation Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>1112</td>
<td>Career Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>1113</td>
<td>Foundation of Leisure</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>1114</td>
<td>Leadership in Tourism, Hospitality, Sport, &amp; Recreation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>2112</td>
<td>Sophomore Research Seminar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>2114</td>
<td>Leisure &amp; Tourism in a Diverse Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3111</td>
<td>Program &amp; Special Event Planning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3196</td>
<td>Research Methodology (Prerequisite: THM 2112 and successful completion of Core QA and QB requirements)</td>
<td>3</td>
<td>WI</td>
</tr>
<tr>
<td>THM</td>
<td>4112</td>
<td>Senior Professional Development Seminar (Prerequisite: Successful completion of THM 3185 and THM 3196, and senior standing) (Strongly Recommended: STOC 1111 [Public Speaking])</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 21

**School of Tourism and Hospitality Management Internship and Project Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>3185</td>
<td>Junior Internship (180 Hours) (Prerequisite: C- or better in all STHM 1000 and 2000 level courses)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4185</td>
<td>Senior Internship (600 Hours) (Prerequisite: C- or better in all STHM courses) (Co-requisite: THM 4191)</td>
<td>10-12</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4191</td>
<td>Senior Project (Prerequisite: C- or better in all STHM courses) (Co-requisite: THM 4185)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 16

**Major Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>1311</td>
<td>Introduction to Tourism &amp; Hospitality</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3311</td>
<td>Organization Management in Tourism &amp; Hospitality</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3313</td>
<td>Financial Issues in Tourism &amp; Hospitality (Prerequisite: ACCT 2101 and ECON 1101)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3323</td>
<td>International Tourism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>4312</td>
<td>Legal Issues in Tourism &amp; Hospitality</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Select one of the following based on your selected Concentration:**

**Hospitality Management Concentration Capstone Course**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>4321</td>
<td>Hospitality Management Systems (Co-requisite: THM 4112)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**or**

**Destination & Event Management Concentration Capstone Course**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>THM</td>
<td>4322</td>
<td>Designing Tourism Experiences (Co-requisite: THM 4112)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total** 18

© 2007, Temple University. All rights reserved. 564
Electives (6 Credits Required) or Choose one of the Concentrations

**Hospitality Management Concentration Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Select two:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3320</td>
<td>Special Topics in Hospitality Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3324</td>
<td>Hospitality Operations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3328</td>
<td>Gaming &amp; Casino Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3425</td>
<td>Event Management: History, Theory, &amp; Best Practices</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Destination and Event Management Concentration Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Select two:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3321</td>
<td>Tourism Planning &amp; Development</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3327</td>
<td>Advanced Destination Marketing Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3330</td>
<td>Special Topics in Destination &amp; Event Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THM</td>
<td>3425</td>
<td>Event Management: History, Theory, &amp; Best Practices</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Fox School of Business and Management Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1101</td>
<td>Macroeconomic Principles (Prerequisite: Knowledge of elementary algebra)</td>
<td>3 IN</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>2101</td>
<td>Introduction to Marketing (Prerequisite: ECON 1101/1102 is highly recommended)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Highly Recommended:**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Management</td>
<td>1101</td>
<td>Organization &amp; Management (Prerequisite: English 1002 or 1022)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*These four classes complete the required lower division courses of the Business Minor.*

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

**Free Electives (18 Credits Required)**

**School of Tourism and Hospitality Management Non-Credit Requirements**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
<th>RCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Aid Certification</td>
<td></td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>CPR Certification</td>
<td></td>
<td>Community level or better</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Industry-Related Experience</td>
<td></td>
<td>Minimum 250 hours of participation required prior to THM 4112 (Senior Professional Development Seminar)</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONS**

**Business Minor**
See Advisor. ([http://sbm.temple.edu/advising/minor.html#business](http://sbm.temple.edu/advising/minor.html#business))

**General Business Studies Minor**
See Advisor. ([http://sbm.temple.edu/advising/minor.html](http://sbm.temple.edu/advising/minor.html))

**Certificate in the Geography of Sport, Recreation, and Tourism Planning**
See Advisor. ([http://www.temple.edu/gus/undergraduate/other.htm](http://www.temple.edu/gus/undergraduate/other.htm))

© 2007, Temple University. All rights reserved.
Certificate of Specialization, Geography of Tourism
See Advisor. (http://www.temple.edu/gus/undergraduate/other.htm)

Management Information Systems (MIS) Certificate
See Advisor. (http://mis.temple.edu)