Catalog Contents

• Temple Bulletins 2021-2022
  • Academic Programs
  • Archives
  • Catalog Contents (p. 1)
• Course Descriptions
  • Accounting (ACCT)
  • Actuarial Science (AS)
  • Adult & Organizational Development (AOD)
  • Advanced Core Medical Science (ACMS)
  • Advanced Education (ADVE)
  • Advertising (ADV)
  • Aerospace Studies - Air Force ROTC (AIRF)
  • Africana and African American Studies (AAAS)
  • American Studies (AMST)
  • Anatomy & Cell Biology (Medical School) (ANAT)
  • Anesthesiology (ANES)
  • Anthropology (ANTH)
  • Applied Behavior Analysis (ABA)
  • Arabic (ARBC)
  • Architecture (ARCH)
  • Art (ART)
  • Art - Japan Campus (ARTU)
  • Art Education (ARTE)
  • Art History (ARTH)
  • Art Therapy (ARTT)
  • Asian Studies (ASST)
  • Athletic Training (ATHT)
  • Basic Core Medical Science (BCMS)
  • Biochemistry (Medical School) (BIOC)
  • Bioengineering (BIOE)
  • Biology (BIOL)
  • Biomedical Sciences (Medical) (BMSC)
  • Biomedical Studies (PBMS)
  • Botany (BOT)
  • Boyer College of Music & Dance (BCMD)
  • Business Administration (BA)
  • Business Education (BSED)
  • Career and Technical Education (CTE)
  • Center for the Performing and Cinematic Arts (CFA)
  • Chemistry (CHEM)
  • Chinese (CHI)
  • City and Regional Planning (CTRP)
  • Civil Engineering (CEE)
  • Clinical Sciences and Health Informatics (CSHI)
  • College of Education (COED)
  • College of Liberal Arts (CLA)
  • College of Public Health & School of Social Work (CHP)
  • College of Science and Technology (SCTC)
  • Communication and Social Influence (CSI)
  • Communication Management (CMGT)
• Communication Sciences and Disorders (CSCD)
• Communication Studies (CMST)
• Communications and Theater (COMM)
• Community Arts (CART)
• Community Development (CDEV)
• Community Health and Aging (PCHA)
• Computer & Information Science (CIS)
• Conflict and Communication (CNCM)
• Construction Management Technology (CMT)
• Counseling Psychology (CPSY)
• Criminal Justice (CJ)
• Critical Languages Center (CRIT)
• Cultural Studies (CLST)
• Dance (DANC)
• Dental Public Health Sciences (DPHS)
• Dermatology (DERM)
• Disability Studies (DSST)
• Distributive Education (DSED)
• Early Childhood Education (ECED)
• Earth & Environmental Science (EES)
• Economics (ECON)
• Education (EDUC)
• Educational Administration (EDAD)
• Educational Psychology (EPSY)
• Electrical Engineering (ECE)
• Electrical Engineering Technology (EET)
• Elementary Education (ELED)
• Emergency Medicine (EMMD)
• Engineering (ENGR)
• Engineering (General) (ENGG)
• Engineering Management (EMGT)
• Engineering Technology (ENGT)
• English (ENG)
• English Education (Elementary) (ENEE)
• English Education (Secondary) (ENES)
• Environmental Engineering Technology (ENVT)
• Environmental Health (ENVH)
• Environmental Science (CST) (ENVS)
• Environmental Studies (CLA) (ENST)
• Epidemiology and Biostatistics (EPBI)
• Family & Community Medicine (FAMP)
• Film and Media Arts (FMA)
• Finance (FIN)
• Foreign Language Ed-Secondary (FLED)
• Foundation Program (FDPR)
• French (FREN)
• Gender, Sexuality and Women's Studies (GSWS)
• Geography and Urban Studies (GUS)
• German (GER)
• Global Studies (GBST)
• Globalization and Development Communication (GDC)
• Graduate Advanced Education and General Dentistry (ADVG)
• Graduate Endodontics (ENDG)
• Graduate Orthodontics (ORTG)
• Graduate Periodontics (PERG)
• Graphic Arts and Design (GAD)
• Greek (Ancient) (GRKA)
• Greek (Modern) (GRKM)
• Greek and Roman Classics (GRC)
• Health Information Management (HIM)
• Health Policy and Management (HPM)
• Health Related Professions (HRPR)
• Healthcare Management (HCM)
• Hebrew (HEBR)
• Higher Education (HIED)
• Hindi (HIN)
• History (HIST)
• Honors Program (HNRS)
• Horticulture (HORT)
• Human Development and Community Engagement (HDCE)
• Human Resource Management (HRM)
• Human Services (HS)
• Industrial and Systems Engineering (ISE)
• Instructional Learning Technology (ILT)
• Intellectual Heritage (IH)
• Internal Medicine (INTM)
• International Business Administration (IB)
• International Teaching Assistants (ITA)
• Italian (ITAL)
• Japanese (JPNS)
• Jewish Studies (JST)
• Journalism (JRN)
• Juridical Science (JUSI)
• Juris Doctor (JUDO)
• Kinesiology (KINS)
• Klein College of Media and Communication (KLN)
• Korean (KRN)
• Landscape Architecture (LARC)
• Latin (LAT)
• Latin American Studies (LAS)
• Law - Undergraduate Courses (LAWU)
• Legal Studies (LGLS)
• Lesbian, Gay, Bisexual and Transgender Studies (LGBT)
• LLM American & International (MLAI)
• LLM Freedman Fellows (MLFF)
• LLM Taxation (MLTX)
• LLM Trial Advocacy (MLTA)
• Management Information Systems (MIS)
• Management Science/Operations Management (MSOM)
• Marketing (MKTG)
• Master of Liberal Arts (MLA)
• Math Education (Elementary) (MAEE)
• Math Education (Secondary) (MAES)
• Mathematics (MATH)
Catalog Contents

- Mechanical Engineering (MEE)
- Mechanical Engineering Technology (MET)
- Media and Communication (MMC)
- Media Studies & Production (MSP)
- Medicine Undergraduate Courses (MEDU)
- Middle Grades & Secondary Education (MGSE)
- Middle Grades Education (MGRE)
- Military Science (MLSC)
- Music (MUSC)
- Music Education (MUED)
- Music Studies (MUST)
- Narrative Medicine (NMED)
- Naval Science - Navy ROTC (NAVS)
- Neurology (NEUR)
- Neuromotor Science (NMS)
- Neuroscience - CLA (NSCI)
- Neurosurgery (NESU)
- New Media Interdisciplinary (NMIC)
- Nursing (NURS)
- Nutrition (NUTR)
- Obstetrics, Gynecology & Reproduction (OBGY)
- Occupational Therapy (OTHR)
- Ophthalmology (OPHT)
- Oral Biology (ORBG)
- Oral Health Sciences (OHSC)
- Orthopedic Surgery (ORTS)
- Otorhinology (OTOR)
- Pathology & Lab Medicine (PATH)
- Pediatrics (PEDI)
- Pharmaceutical Sciences (PS)
- Pharmacology - Medicine (PHRM)
- Pharmacy Practice (PP)
- Pharmacy Quality Assurance (QARA)
- Philosophy (PHIL)
- Physical Therapy (PHTH)
- Physician Assistant (PA)
- Physics (PHYS)
- Physiology (PHLG)
- Physiology-Biophysics (PHBI)
- Podiatric Clinical Education (PCED)
- Podiatric Interdepartmental (PDID)
- Podiatric Medicine (PDMD)
- Podiatric Orthopedics (PDOR)
- Podiatric Surgery (PDSR)
- Political Science (POLS)
- Portuguese (PORT)
- ProRanger Program (PRAN)
- Psychiatry & Behavioral Science (PSYM)
- Psychology (PSY)
- Public Policy (PLCY)
- Public Relations (PR)
- Radiation Oncology (RAON)
• Radiology (RADI)
• Real Estate (RE)
• Recreational Therapy (RCTH)
• Rehabilitation Medicine (RHMD)
• Rehabilitation Sciences (REHB)
• Religion (REL)
• Restorative Dentistry (RDNT)
• Risk Management and Insurance (RMI)
• Russian (RUS)
• School of Business and Management (SBM)
• School of Dentistry (DENT)
• School of Medicine (MEDS)
• School of Sport, Tourism & Hospitality Management (STHA)
• School Psychology (SPSY)
• Science Education (Elementary) (SCEE)
• Science Education (Secondary) (SCES)
• Science, Secondary Education (SCSE)
• Secondary Education (SECE)
• Slavic Languages & Literature (SLVC)
• Social and Behavioral Sciences (SBS)
• Social Studies Education (Elementary) (SSEE)
• Social Studies Education (Secondary) (SSES)
• Social Work - Graduate (SSWG)
• Social Work - Undergraduate (SSWU)
• Sociology (SOC)
• Spanish (SPAN)
• Special Education (SPED)
• Sport and Recreation Management (SRM)
• Sport, Tourism and Hospitality Management (STHM)
• Statistics (STAT)
• Strategic Communication (STRC)
• Strategic Management (SGM)
• Study Away Non-TU Program (STAW)
• Supervisory Certification Prog (SUPV)
• Supply Chain Management (SCM)
• Surgery (SURG)
• Teaching English to Speakers of Other Languages (TESL)
• Temple University Japan (TUJ)
• Theater (THTR)
• Theater, Film and Media Arts (TFMA)
• Therapeutic Recreation (THRC)
• Topical Studies (TS)
• Tourism and Hospitality Management (THM)
• TUJ International Business Studies (JIBS)
• Tyler School of Art (TYLE)
• Undergraduate Studies Merit Scholar (USMS)
• University College (UC)
• University Seminar (UNVS)
• Upper Division Honors Program (HONS)
• Urban Bioethics (UBTH)
• Urban Education (URBE)
• Urology (UROL)
Catalog Contents

• Vietnamese (VTNM)
• Visual Studies (VS)
• Faculty
• Graduate and Professional
  • About the Graduate and Professional Bulletin
  • Academic Calendar
  • Course Descriptions
    • Accounting (ACCT)
    • Actuarial Science (AS)
    • Adult and Organizational Development (AOD)
    • Advanced Core Medical Science (ACMS)
    • Advertising (ADV)
    • Africology and African American Studies (AAAS)
    • Anthropology (ANTH)
    • Applied Behavior Analysis (ABA)
    • Architecture (ARCH)
    • Art (ART)
    • Art - Japan Campus (ARTU)
    • Art Education (ARTE)
    • Art History (ARTH)
    • Art Therapy (ARTT)
    • Athletic Training (ATHT)
    • Basic Core Medical Science (BCMS)
    • Bioengineering (BIOE)
    • Biology (BIOL)
    • Biomedical Sciences (Medicine) (BMSC)
    • Business Administration (BA)
    • Business Education (BSED)
    • Career and Technical Education (CTE)
    • Chemistry (CHEM)
    • City and Regional Planning (CTRP)
    • Civil Engineering (CEE)
    • Clinical Sciences and Health Informatics (CSHI)
    • College of Liberal Arts (CLA)
    • College of Public Health & School of Social Work (CHP)
    • College of Science and Technology (SCTC)
    • Communication Management (CMGT)
    • Communication Sciences and Disorders (CSCD)
    • Community Arts (CART)
    • Computer and Information Science (CIS)
    • Conflict and Communication (CNCM)
    • Counseling Psychology (CPSY)
    • Criminal Justice (CJ)
    • Dance (DANC)
    • Dental Public Health Sciences (DPHS)
    • Disability Studies (DSST)
    • Distributive Education (DSED)
    • Early Childhood Education (ECED)
    • Earth and Environmental Science (EES)
    • Economics (ECON)
    • Education (EDUC)
    • Educational Administration (EDAD)
• Educational Psychology (EPSY)
• Electrical Engineering (ECE)
• Elementary Education (ELED)
• Engineering (ENGR)
• Engineering Management (EMGT)
• English (ENG)
• English Education (Elementary) (ENEE)
• English Education (Secondary) (ENES)
• Environmental Health (ENVH)
• Epidemiology and Biostatistics (EPBI)
• Film and Media Arts (FMA)
• Finance (FIN)
• Foreign Language Education (Secondary) (FLED)
• Gender, Sexuality and Women's Studies (GSWS)
• Geography and Urban Studies (GUS)
• Globalization and Development Communication (GDC)
• Graduate Advanced Education and General Dentistry (ADVG)
• Graduate Endodontic (ENDG)
• Graduate Orthodontics (ORTG)
• Graduate Periodontics (PERG)
• Graphic Arts and Design (GAD)
• Health Information Management (HIM)
• Health Policy and Management (HPM)
• Health Related Professions (HRPR)
• Healthcare Management (HCM)
• Higher Education (HIED)
• History (HIST)
• Horticulture (HORT)
• Human Resource Management (HRM)
• Human Services (HS)
• Instructional Learning Technology (ILT)
• International Business Administration (IB)
• International Teaching Assistants (ITA)
• Journalism (JRN)
• Kinesiology (KINS)
• Landscape Architecture (LARC)
• Latin (LAT)
• Latin American Studies (LAS)
• Legal Studies (LGLS)
• Management Information Systems (MIS)
• Management Science/Operations Management (MSOM)
• Marketing (MKTG)
• Master of Liberal Arts (MLA)
• Math Education (Elementary) (MAEE)
• Math Education (Secondary) (MAES)
• Mathematics (MATH)
• Mechanical Engineering (MEE)
• Media and Communication (MMC)
• Media Studies and Production (MSP)
• Middle Grades & Secondary Education (MGSE)
• Middle Grades Education (MGRE)
• Music (MUSC)
• Music Education (MUED)
• Music Studies (MUST)
• Narrative Medicine (NMED)
• Neuromotor Science (NMS)
• Neuroscience (CLA) (NSCI)
• Nursing (NURS)
• Nutrition (NUTR)
• Occupational Therapy (OTHR)
• Oral Biology (ORBG)
• Oral Health Sciences (OHSC)
• Pharmaceutical Sciences (PS)
• Pharmacy Quality Assurance (QARA)
• Philosophy (PHIL)
• Physical Therapy (PHTH)
• Physician Assistant (PA)
• Physics (PHYS)
• Podiatric Medicine (PDMD)
• Podiatric Surgery (PDSR)
• Political Science (POLS)
• Portuguese (PORT)
• Psychology (PSY)
• Public Policy (PLCY)
• Real Estate (RE)
• Recreational Therapy (RCTH)
• Rehabilitation Sciences (REHB)
• Religion (REL)
• Restorative Dentistry (RDNT)
• Risk Management and Insurance (RMI)
• School of Dentistry (DENT)
• School of Medicine (MEDS)
• School Psychology (SPSY)
• Science Education (Elementary) (SCEE)
• Science Education (Secondary) (SCES)
• Science, Secondary Education (SCSE)
• Secondary Education (SECE)
• Social and Behavioral Sciences (SBS)
• Social Studies Education (Elementary) (SSEE)
• Social Studies Education (Secondary) (SSES)
• Social Work (Graduate) (SSWG)
• Sociology (SOC)
• Spanish (SPAN)
• Special Education (SPED)
• Sport and Recreation Management (SRM)
• Sport, Tourism and Hospitality Management (STHM)
• Statistics (STAT)
• Strategic Communication (STRC)
• Strategic Management (SGM)
• Supervisory Certification Program (SUPV)
• Supply Chain Management (SCM)
• Teaching English to Speakers of Other Languages (TESL)
• Theater (THTR)
• Therapeutic Recreation (THRC)
- Tourism and Hospitality Management (THM)
- Tyler School of Art (TYLE)
- Urban Bioethics (UBTH)
- Urban Education (URBE)

- Financial Information
- Graduate School Policies
- Graduate Student Services
- Schools and Colleges
  - Beasley School of Law
    - Taxation, M.S.
  - Center for the Performing and Cinematic Arts / Boyer College of Music and Dance
    - Choral Conducting, M.M.
    - Collaborative Piano and Chamber Music, M.M.
    - Collaborative Piano and Opera Coaching, M.M.
    - Dance, M.A.
    - Dance, M.F.A.
    - Dance, Ph.D.
    - Graduate Certificate: Music Teaching
    - Graduate Certificate: Professional Studies
    - Instrumental Conducting: Wind-Band Emphasis, M.M.
    - Jazz Studies, M.M.
    - Music Composition, M.M.
    - Music Education, M.M.
    - Music Education, Ph.D.
    - Music History, M.M.
    - Music Performance/Bassoon, D.M.A.
    - Music Performance/Bassoon, M.M.
    - Music Performance/Cello, D.M.A.
    - Music Performance/Cello, M.M.
    - Music Performance/Clarinet, D.M.A.
    - Music Performance/Clarinet, M.M.
    - Music Performance/Classical Guitar, M.M.
    - Music Performance/Double Bass, D.M.A.
    - Music Performance/Double Bass, M.M.
    - Music Performance/Euphonium, D.M.A.
    - Music Performance/Euphonium, M.M.
    - Music Performance/Flute, D.M.A.
    - Music Performance/Flute, M.M.
    - Music Performance/French Horn, D.M.A.
    - Music Performance/French Horn, M.M.
    - Music Performance/Harp, D.M.A.
    - Music Performance/Harp, M.M.
    - Music Performance/Harpichord, M.M.
    - Music Performance/Historical Keyboard, D.M.A.
    - Music Performance/Oboe, D.M.A.
    - Music Performance/Oboe, M.M.
    - Music Performance/Percussion, D.M.A.
    - Music Performance/Percussion, M.M.
    - Music Performance/Piano, D.M.A.
    - Music Performance/Piano, M.M.
    - Music Performance/Saxophone, M.M.
    - Music Performance/Trombone, D.M.A.
    - Music Performance/Trombone, M.M.
• Music Performance/Trumpet, D.M.A.
• Music Performance/Trumpet, M.M.
• Music Performance/Tuba, D.M.A.
• Music Performance/Tuba, M.M.
• Music Performance/Viola, D.M.A.
• Music Performance/Viola, M.M.
• Music Performance/Violin, D.M.A.
• Music Performance/Violin, M.M.
• Music Performance/Voice, D.M.A.
• Music Performance/Voice, M.M.
• Music Technology, M.S.
• Music Theory, M.M.
• Music Therapy, M.M.T.
• Music Therapy, Ph.D.
• Music, M.A.
• Music, M.S.
• Music, Ph.D.
• Opera, M.M.
• Piano Pedagogy, M.M.
• Piano Performance and Music Theory, M.M.
• Piano Performance/Collaborative Piano and Chamber Music, M.M.
• Piano Performance/Piano Pedagogy, M.M.
• String Pedagogy, M.M.
• Vocal Arts, M.M.
• Center for the Performing and Cinematic Arts / School of Theater, Film and Media Arts
  • Documentary Arts and Visual Research, Ph.D.
  • Film and Media Arts, M.F.A.
  • Graduate Certificate: Documentary Arts and Ethnographic Research
  • Graduate Certificate: Theater Instruction
  • mediaXarts: Cinema for New Technologies and Environments, M.A.
  • Musical Theater Collaboration, M.F.A.
  • Musical Theater Studies, M.A.
• Theater Instruction, M.A.
• Theater/Acting, M.F.A.
• Theater/Design, M.F.A.
• Theater/Directing, M.F.A.
• Theater/Playwriting, M.F.A.
• College of Education and Human Development
  • Accomplished Teaching, M.S.Ed.
  • Advocacy and Organizational Development, M.Ed.
  • Applied Behavior Analysis, M.S.Ed.
  • Applied Research and Evaluation, P.S.M.
  • Career and Technical Education, M.Ed.
  • Career and Technical Education, M.S.Ed.
  • Counseling Psychology, M.Ed.
  • Counseling Psychology, Ph.D.
  • Early Childhood Education and Special Education, M.Ed.
  • Early Childhood Education, M.Ed.
  • Education/Applied Linguistics, Ph.D.
  • Education/Educational Psychology, Ph.D.
  • Education/Literacy and Learners, Ph.D.
  • Education/Science, Mathematics and Educational Technology, Ph.D.
• Education/Special Education, Ph.D.
• Educational Leadership and Policy, M.Ed.
• Educational Leadership, Ed.D.
• Educational Leadership, M.Ed.
• Graduate Certificate: Applied Behavior Analysis
• Graduate Certificate: Autism Endorsement
• Graduate Certificate: College Access and Success
• Graduate Certificate: Conflict Process
• Graduate Certificate: Data-Driven Decision Making
• Graduate Certificate: Disability Studies
• Graduate Certificate: Diversity Leadership in Higher Education
• Graduate Certificate: English as a Second Language
• Graduate Certificate: English Language Teaching
• Graduate Certificate: Institutional Effectiveness
• Graduate Certificate: Instructional Learning Technology
• Graduate Certificate: Leadership in Instructional Technology for Higher Education
• Graduate Certificate: Professional Health Education
• Graduate Certificate: Student Affairs Leadership
• Graduate Certificate: Teaching in Higher Education
• Graduate Certificate: Teaching in Higher Education for the Creative Disciplines
• Graduate Certificate: Urban Education
• Higher Education, Ed.D.
• Higher Education, M.Ed.
• Middle Grades Education/Language Arts, M.Ed.
• Middle Grades Education/Mathematics and Language Arts, M.Ed.
• Middle Grades Education/Mathematics and Science, M.Ed.
• Middle Grades Education/Mathematics, M.Ed.
• Middle Grades Education/Science and Language Arts, M.Ed.
• Middle Grades Education/Science, M.Ed.
• Middle Grades Education/Social Studies and Language Arts, M.Ed.
• Middle Grades Education/Social Studies and Mathematics, M.Ed.
• Middle Grades Education/Social Studies and Science, M.Ed.
• Middle Grades Education/Social Studies, M.Ed.
• Policy and Organizational Studies, Ph.D.
• Professional Health Education, M.S.Ed.
• School Psychology, Ed.S.
• School Psychology, Ph.D.
• Secondary Education / World/Foreign Languages Education, M.Ed.
• Secondary Education/English Education, M.Ed.
• Secondary Education/Mathematics Education, M.Ed.
• Secondary Education/Science Education, M.Ed.
• Secondary Education/Social Studies Education, M.Ed.
• Special Education, M.Ed.
• Teaching English to Speakers of Other Languages (TESOL), M.S.Ed.

• College of Engineering
  • Bioengineering, M.S.Bioe.
  • Bioengineering, Ph.D.
  • Civil Engineering, M.S.C.E.
  • Civil Engineering, Ph.D.
  • Computer and Systems Security, P.S.M.
  • Electrical Engineering, M.S.E.E.
  • Electrical Engineering, Ph.D.
• Engineering Management, M.S.
• Engineering, M.Eng.
• Environmental Engineering, M.S.Env.E.
• Environmental Engineering, Ph.D.
• Graduate Certificate: Advanced Manufacturing and Robotics
• Graduate Certificate: Engineering Project Management
• Graduate Certificate: New Product Development
• Mechanical Engineering, M.S.M.E.
• Mechanical Engineering, Ph.D.
• College of Liberal Arts
  • Africology and African American Studies, M.A.
  • Africology and African American Studies, Ph.D.
  • Anthropology, M.A.
  • Anthropology, Ph.D.
  • Applied Sociology, P.S.M.
  • Creative Writing, M.F.A.
  • Criminal Justice, M.A.
  • Criminal Justice, Ph.D.
  • Decision Neuroscience, Ph.D.
  • Economics, M.A.
  • Economics, Ph.D.
  • English, M.A.
  • English, Ph.D.
  • Geographic Information Systems, P.S.M.
  • Geography and Urban Studies, M.A.
  • Geography and Urban Studies, Ph.D.
  • Geospatial Data Science, P.S.M.
  • Graduate Certificate: Crime Science
  • Graduate Certificate: Gender, Sexuality and Women's Studies
  • Graduate Certificate: Geographic Information Systems
  • Graduate Certificate: Geospatial Data Science
  • Graduate Certificate: Neuroscience
  • Graduate Certificate: Non-Profit Management
  • Graduate Certificate: Police Leadership
  • Graduate Certificate: Public Policy
  • Graduate Certificate: Spanish for Health Professions
  • History, M.A.
  • History, Ph.D.
  • Liberal Arts, M.L.A.
  • Neuroscience: Systems, Behavior and Plasticity, M.S.
  • Philosophy, M.A.
  • Philosophy, Ph.D.
  • Political Science, M.A.
  • Political Science, Ph.D.
  • Psychological Research, M.S.
  • Psychology, Ph.D.
  • Public Policy, M.P.P.
  • Religion, M.A.
  • Religion, Ph.D.
  • Sociology, M.A.
  • Sociology, Ph.D.
• Spanish, M.A.
• Spanish, Ph.D.
• College of Public Health
  • Applied Biostatistics, M.P.H.
  • Athletic Training, D.A.T.
  • Athletic Training, M.S.A.T.
  • Communication Sciences and Disorders, Ph.D.
  • Environmental Health, M.P.H.
  • Environmental Health, M.S.
  • Epidemiology, M.P.H.
  • Epidemiology, M.S.
  • Epidemiology, Ph.D.
  • Graduate Certificate: Clinical Health Services Research
  • Graduate Certificate: Global Health
  • Graduate Certificate: Health Informatics
  • Graduate Certificate: Health Outcomes and Measurement Science
  • Graduate Certificate: Interdisciplinary Health Communication
  • Graduate Certificate: Maternal and Child Health
  • Graduate Certificate: Military Counseling
  • Graduate Certificate: Nutrition
  • Graduate Certificate: Public Health Law Research
  • Graduate Certificate: Public Health Preparedness and Response
  • Health Informatics, M.S.
  • Health Policy and Health Services Research, Ph.D.
  • Health Policy and Management, M.P.H.
  • Kinesiology/Athletic Training, M.S.
  • Kinesiology/Athletic Training, Ph.D.
  • Kinesiology/Integrative Exercise Physiology, M.S.
  • Kinesiology/Integrative Exercise Physiology, Ph.D.
  • Kinesiology/Psychology of Movement, M.S.
  • Kinesiology/Psychology of Movement, Ph.D.
  • Neuromotor Science, M.S.
  • Neuromotor Science, Ph.D.
  • Nursing, D.N.P.
  • Nutrition, M.P.H.
  • Occupational Therapy Transitional Program, O.T.D.
  • Occupational Therapy, M.O.T.
  • Occupational Therapy, O.T.D.
  • Physical Therapy, D.P.T.
  • Recreational Therapy, M.S.
  • Social and Behavioral Sciences, M.P.H.
  • Social and Behavioral Sciences, Ph.D.
  • Social Work, M.S.W.
  • Speech, Language and Hearing Science, M.A.
• College of Science and Technology
  • Bioinformatics, P.S.M.
  • Bioinformatics, Ph.D.
  • Bioinnovation, P.S.M.
  • Biology, M.A.
  • Biology, M.S.
  • Biology, Ph.D.
  • Biotechnology, P.S.M.
• Chemistry, M.S.
• Chemistry, Ph.D.
• Computational Data Science, M.S.
• Computer and Information Science, Ph.D.
• Computer Science, M.S.
• Cyber Defense and Information Assurance, P.S.M.
• Forensic Chemistry, P.S.M.
• Geology, M.S.
• Geoscience, Ph.D.
• Graduate Certificate: Bioinformatics
• Graduate Certificate: Bioinnovation
• Graduate Certificate: Biotechnology
• Graduate Certificate: Computer Science
• Graduate Certificate: Computer Science Instruction
• Graduate Certificate: Cyber Defense and Information Assurance
• Graduate Certificate: Forensic Chemistry
• Graduate Certificate: High-Performance Computing for Scientific Applications
• Graduate Certificate: Information Science and Technology
• Graduate Certificate: Mathematics for Teaching
• Graduate Certificate: Scientific Writing
• High-Performance Computing for Scientific Applications, P.S.M.
• Information Science and Technology, M.S.
• Mathematics, M.S.
• Mathematics, Ph.D.
• Physics, M.S.
• Physics, Ph.D.
• Scientific Writing, P.S.M.

• Fox School of Business and Management
• Accountancy, M.Acc.
• Accounting, M.S.
• Actuarial Science, M.S.
• Business Administration Executive Program, D.B.A.
• Business Administration Executive Program, M.B.A.
• Business Administration, M.B.A.
• Business Administration/Accounting, Ph.D.
• Business Administration/Entrepreneurship, Ph.D.
• Business Administration/Finance, Ph.D.
• Business Administration/Human Resource Management and Organizational Behavior, Ph.D.
• Business Administration/Interdisciplinary Study, Ph.D.
• Business Administration/International Business Administration, Ph.D.
• Business Administration/Management Information Systems, Ph.D.
• Business Administration/Marketing, Ph.D.
• Business Administration/Operations and Supply Chain Management, Ph.D.
• Business Administration/Risk Management and Insurance, Ph.D.
• Business Administration/Strategic Management, Ph.D.
• Business Administration/Tourism and Sport, Ph.D.
• Business Analytics, M.S.
• Corporate Compliance and Ethics, M.S.
• Decision Neuroscience, Ph.D.
• Digital Innovation in Marketing, M.S.
• Finance, M.S.
• Financial Analysis and Quantitative Risk Management, M.S.
• Financial Analysis, M.S.
• Global Finance, D.S.
• Graduate Certificate: Business Administration
• Graduate Certificate: Business Analytics
• Graduate Certificate: Corporate Instructional Design
• Graduate Certificate: Entrepreneurship and Technology Commercialization
• Graduate Certificate: Healthcare Innovation Management
• Graduate Certificate: Human Resource Management
• Graduate Certificate: Information Technology Auditing and Cyber Security
• Graduate Certificate: Innovation Strategy
• Graduate Certificate: Management Consulting
• Health Administration, M.H.A.
• Healthcare Financial Management, M.S.
• Human Resource Management, M.S.
• Information Technology Auditing and Cyber Security, M.S.
• Innovation Management and Entrepreneurship, M.S.
• Management Information Systems, M.S.
• Management, M.i.M.
• Marketing Research and Insights, M.S.
• Quantitative Finance and Risk Management, M.S.
• Real Estate, M.S.
• Risk Management and Insurance, M.S.
• Statistics and Data Science, M.S.
• Statistics, M.S.
• Statistics, Ph.D.
• Strategic Advertising and Marketing, M.S.

• Kornberg School of Dentistry
  • Dentistry Certificate: Advanced Education in General Dentistry
  • Dentistry Certificate: Dental Public Health
  • Dentistry Certificate: Endodontics
  • Dentistry Certificate: Oral and Maxillofacial Surgery
  • Dentistry Certificate: Orthodontics
  • Dentistry Certificate: Periodontics
  • Dentistry, D.M.D.
  • Dentistry/Advanced Standing Program for Internationally Trained Dentists, D.M.D.
  • Oral Health Sciences, M.S.

• Lew Klein College of Media and Communication
  • Communication for Development and Social Change, M.S.
  • Communication Management, M.S.
  • Conflict and Communication, M.S.
  • Graduate Certificate: Conflict Management and Dispute Resolution
  • Graduate Certificate: Cultural Analytics
  • Graduate Certificate: Public Relations
  • Graduate Certificate: Strategic Communication and Cross-Cultural Leadership
  • Journalism, M.J.
  • Media and Communication, Ph.D.
  • Media Studies and Production, M.A.

• Lewis Katz School of Medicine
  • Biomedical Sciences, M.S.
  • Biomedical Sciences, Ph.D.
  • Graduate Certificate: Narrative Medicine
  • Graduate Certificate: Urban Bioethics
• Physician Assistant, M.M.S.
• Urban Bioethics, M.A.

• School of Pharmacy
  • Global Clinical and Pharmacovigilance Regulations, M.S.
  • Graduate Certificate: Advanced Regulatory Affairs and Quality Assurance
  • Graduate Certificate: Biopharmaceutical Manufacturing and Regulatory Affairs
  • Graduate Certificate: Food Regulatory Affairs and Quality Assurance
  • Graduate Certificate: Pharmaceutical Labeling, Advertising and Promotions
  • Graduate Certificate: Pharmaceutical Manufacturing: Process Development and Analysis
  • Graduate Certificate: Sterile Process Manufacturing
  • Graduate Certificate: Validation Sciences
  • Pharmaceutical Regulatory Sciences, M.S.
  • Pharmaceutical Sciences/Medicinal Chemistry, M.S.
  • Pharmaceutical Sciences/Medicinal Chemistry, Ph.D.
  • Pharmaceutical Sciences/Pharmaceutics, M.S.
  • Pharmaceutical Sciences/Pharmaceutics, Ph.D.
  • Pharmaceutical Sciences/Pharmacodynamics, M.S.
  • Pharmaceutical Sciences/Pharmacodynamics, Ph.D.
  • Pharmaceutical Sciences/Regulatory Affairs and Quality Assurance, Ph.D.
  • Regulatory Affairs and Quality Assurance, M.S.

• School of Podiatric Medicine
  • Podiatric Medicine, D.P.M.

• School of Sport, Tourism and Hospitality Management
  • Graduate Certificate: Destination Management
  • Graduate Certificate: Event Management
  • Graduate Certificate: Global Tourism
  • Graduate Certificate: Service Excellence
  • Graduate Certificate: Tourism Analytics
  • Hospitality Management, M.S.
  • Sport Business Executive Program, M.S.
  • Sport Business, M.S.
  • Travel and Tourism, M.S.

• Tyler School of Art and Architecture
  • Architecture, M.Arch.
  • Architecture, M.S.
  • Art Education, M.Ed.
  • Art History, M.A.
  • Art History, Ph.D.
  • Ceramics, M.F.A.
  • City and Regional Planning, M.S.
  • Facilities Planning, M.S.
  • Fibers and Materials Studies, M.F.A.
  • Glass, M.F.A.
  • Graduate Certificate: Community Arts Practices
  • Graduate Certificate: Health Facilities Planning
  • Graduate Certificate: Sustainable Community Planning
  • Graduate Certificate: Teaching Art Education
  • Graduate Certificate: Transportation Planning
  • Graphic and Interactive Design, M.F.A.
  • Landscape Architecture, M.L.Arch.
  • Metals/Jewelry/CAD-CAM, M.F.A.
  • Painting, M.F.A.
  • Photography, M.F.A.
Catalog Contents

- Printmaking, M.F.A.
- Sculpture, M.F.A.
- Tuition and Fees
- Undergraduate
  - About Temple University
    - Academic Opportunities
    - Academic Support
    - Accelerated Degree Programs
    - General Admissions Information
      - First-Year
      - International Students
      - Special Admissions Programs
      - Transfer Students
  - Honor Societies
  - Registration
  - Special Programs
    - Credit-Bearing Certificate Programs
    - Non-Credit Programs
    - Off-Campus/Corporate Programs
    - Programs with Academic Credit
  - Student Leadership & Development Opportunities
  - Student Responsibilities
  - Student Rights
  - Student Services
    - University Housing & Dining Services
    - University Services
- About This Bulletin
- Academic Calendar
- Academic Policies
  - Academic Course Load
  - Academic Forgiveness
  - Academic Progress for Undergraduate Courses
  - Academic Residency Requirements
  - Academic Rights and Responsibilities
  - Academic Standing
  - Assessment of Student Learning
  - Attendance
  - Audit
  - Continuing Degree Seeking Students
  - Course Numbering System
  - Courses Inapplicable to Graduation
  - Courses Over Ten Years Old
  - Credit for Prior Learning
  - Credit Hours
  - Credit/No Credit Courses
  - Dean's List
  - Declaration of Major and/or Concentration
  - Disciplinary Action
  - Double Major Across Colleges
  - Family Educational Rights & Privacy Act (FERPA)
  - Final Examinations
  - Grade Change
  - Grade Point Average (GPA)
• Grades and Grading
• Graduation Procedures
• Grievances
• Honors for Academic Achievement
• Incomplete Coursework
• Leave of Absence
• Non-Degree Seeking Students
• Permission to Complete a Course at another Institution after Matriculation
• Placement Assessments
• Plagiarism and Academic Cheating
• Prerequisites and Co-requisites
• Probation and Dismissal
• Registration
• Repeating a Course
• Reverse Transfer
• Satisfactory Academic Progress
• Schedule Revision (Add/Drop)
• Second Degrees
• Simultaneous Enrollment
• Student Conduct Code
• Students Called to Military Service Obligation
• Study Abroad Approval Procedures for External Programs
• Transcripts
• Transfer Between Schools/Colleges Within the University (Change of Program)
• Transfer Credit
• Undergraduates Taking Graduate Level Courses
• Withdrawal Policies

• Academic Programs
• Writing Intensive Courses

• Boyer College of Music & Dance
• Certificates
  • Certificate in Chamber Music
  • Certificate in Classical Piano
  • Certificate in Classical Voice
  • Certificate in Dance
  • Certificate in Jazz Arranging
  • Certificate in Jazz Improvisation
  • Certificate in Jazz Piano
  • Certificate in Jazz Studies Composition
  • Certificate in Jazz Voice
  • Certificate in Music
  • Certificate in Music Composition
  • Certificate in Music History
  • Certificate in Music Technology
  • Certificate in Music Theory (Jazz)
  • Certificate in Music Theory (Traditional)
  • Certificate in Orchestral Music
  • Certificate in Performing Arts
• Dance
  • Bachelor of Fine Arts in Dance
  • Minor in Dance
• Instrumental Studies
• Bachelor of Music in Jazz Studies/Performance, Instrumental Concentration
• Bachelor of Music in Performance, Classical Guitar Concentration
• Bachelor of Music in Performance, Instrumental Concentration
• Keyboard Instruction
  • Bachelor of Music in Jazz Studies/Performance, Piano Concentration
  • Bachelor of Music in Performance, Harpsichord Concentration
  • Bachelor of Music in Performance, Piano Concentration
  • Bachelor of Music in Piano Pedagogy
• Music Education & Music Therapy
  • Bachelor of Music in Music Education
  • Bachelor of Music in Music Education/Jazz
  • Bachelor of Music in Music Therapy
  • Bachelor of Music in Music Therapy/Jazz
• Music Studies
  • Bachelor of Music in Composition
  • Bachelor of Music in Jazz Studies/Composition
  • Bachelor of Music in Music History
  • Bachelor of Music in Theory
  • Bachelor of Science in Music
  • Bachelor of Science in Music Technology
  • Bachelor of Science in Music Technology, Interdisciplinary Studies Concentration
  • Minor in Music
• Vocal Arts
  • Bachelor of Music in Jazz Studies/Performance, Voice Concentration
  • Bachelor of Music in Performance, Voice Concentration
• Campuses
  • Ambler Campus
  • Health Sciences Center
  • Main Campus
  • Temple University Center City
  • Temple University Harrisburg
• Center for the Performing and Cinematic Arts
• College of Education and Human Development
  • Adult & Organizational Development
    • Bachelor of Arts in Adult & Organizational Development
  • All Minors & Certificates
    • Certificate in Applied Behavior Analysis
    • Certificate in Diversity and Inclusion
    • Certificate in English Language Teaching
    • Certificate in Leadership & Military Science
    • Minor in Adult & Organizational Development
    • Minor in Education
    • Minor in Human Development and Community Engagement
• Career & Technical Education
  • B.S.Ed. in Career & Technical Education
  • B.S.Ed. in Career & Technical Education with Business, Computer & Information Technology Education
  • B.S.Ed. in Career & Technical Education with Marketing Education
• Certification Programs
• Early Childhood-Elementary Education (PreK-4)
  • Bachelor of Science in Education in Early Childhood-Elementary Education (PreK-4)
  • Bachelor of Science in Education in Early Childhood-Elementary Education (PreK-4): Special Education
• Human Development and Community Engagement
  • Bachelor of Science in Human Development and Community Engagement
• Middle Grades Education
• Middle Grades Education / Language Arts Concentration
• Middle Grades Education / Mathematics and Language Arts Concentration
• Middle Grades Education / Mathematics and Science Concentration
• Middle Grades Education / Mathematics Concentration
• Middle Grades Education / Science and Language Arts Concentration
• Middle Grades Education / Science Concentration
• Middle Grades Education / Social Studies Concentration

• Secondary Education
  • Secondary Education/English Education
  • Secondary Education/Mathematics Education
  • Secondary Education/Social Studies Education
  • Secondary Education/World Languages Education

• Special Education (Pre-K-12)
  • Bachelor of Science in Education in Special Education (Pre-K-12)

• College of Engineering
  • Bioengineering
    • Bachelor of Science in Bioengineering - Cellular Engineering Concentration
    • Bachelor of Science in Bioengineering - Engineering Devices Concentration
    • Bachelor of Science in Bioengineering - Pre-Health Concentration
  • Civil & Environmental Engineering
    • Bachelor of Science in Civil Engineering
    • Bachelor of Science in Civil Engineering - Environmental Engineering Concentration
    • Bachelor of Science in Civil Engineering - Environmental Engineering Concentration with Co-op
    • Bachelor of Science in Civil Engineering with Co-op
    • Bachelor of Science in Environmental Engineering
    • Minor in Environmental Engineering
  • Construction Engineering Technology
    • B.S.C.E.T. in Construction Engineering Technology
    • B.S.C.E.T. in Construction Engineering Technology with Co-op
  • Electrical Engineering
    • Bachelor of Science in Electrical Engineering
    • Bachelor of Science in Electrical Engineering - Bioelectrical Engineering Concentration
    • Bachelor of Science in Electrical Engineering - Bioelectrical Engineering Concentration with Co-op
    • Bachelor of Science in Electrical Engineering - Computer Engineering Concentration
    • Bachelor of Science in Electrical Engineering - Computer Engineering Concentration with Co-op
    • Bachelor of Science in Electrical Engineering with Co-op
  • Engineering
    • Bachelor of Science in Engineering
    • Bachelor of Science in Engineering - Electromechanical Engineering Concentration
    • Bachelor of Science in Engineering - Energy and Power Engineering Concentration
    • Engineering (Undeclared)
  • Engineering Technology
    • Bachelor of Science in Engineering Technology
    • Bachelor of Science in Engineering Technology with Co-op
  • Industrial and Systems Engineering
  • Mechanical Engineering
    • Bachelor of Science in Mechanical Engineering
    • Bachelor of Science in Mechanical Engineering with Co-op

• College of Liberal Arts
  • Africology and African American Studies
    • Bachelor of Arts in Africology and African American Studies
    • Minor in Africology and African American Studies
  • American Studies
• Bachelor of Arts in American Studies
  • Minor in American Studies
• Anthropology
  • Bachelor of Arts in Anthropology
  • Minor in Anthropology
  • Minor in Biomedical Anthropology
  • Minor in Visual Anthropology
• Arabic
  • Minor in Arabic
• Asian & Middle Eastern Languages & Studies
• Asian Studies
  • Bachelor of Arts in Asian Studies
  • Minor in Asian Studies
• Certificate Programs
  • Certificate in Asian Business & Society
  • Certificate in Cybersecurity and Human Behavior
  • Certificate in Ethics
  • Certificate in French
  • Certificate in Gender, Sexuality and Women's Studies
  • Certificate in Geographic Information Systems
  • Certificate in German
  • Certificate in Health Research
  • Certificate in Italian
  • Certificate in Jewish Secular Studies
  • Certificate in Language and Cross-Cultural Communication
  • Certificate in Political Economy
  • Certificate in Professional Writing
  • Certificate in Social Science Research
  • Certificate in Sports and Society
  • Certificate of Specialization: Arabic
  • Certificate of Specialization: Chinese
  • Certificate of Specialization: Japanese
  • Certificate of Specialization: Spanish
  • Certificate of Specialization: Spanish & Latinx Studies for the Health & Human Services Professions
  • Certificate of Specialization: Spanish and Latin American Studies for Business
  • Latin American Studies Semester Certificate and Program
  • Management Career Certificate
• Chinese
  • Bachelor of Arts in Chinese
  • Minor in Chinese
• Classics
  • Bachelor of Arts in Classics with a Concentration in Classical Civilizations
  • Bachelor of Arts in Classics with a Concentration in Classical Languages and Literature
  • Minor in Ancient Mediterranean Studies
  • Minor in Classical Languages and Literature
• Criminal Justice
  • Bachelor of Arts in Criminal Justice
  • Minor in Criminal Justice
• Economics
  • Bachelor of Arts in Economics
  • Bachelor of Arts in Mathematical Economics
  • Minor in Economics
• English
Catalog Contents

• Bachelor of Arts in English
  • Bachelor of Arts in English with a Concentration in Creative Writing
  • Minor in English

• Environmental Studies
  • Bachelor of Arts in Environmental Studies
  • Minor in Environmental Studies

• French
  • Bachelor of Arts in French
  • Minor in French

• Gender, Sexuality and Women's Studies
  • Bachelor of Arts in Gender, Sexuality and Women's Studies
  • Minor in Gender, Sexuality and Women's Studies
  • Minor in Lesbian, Gay, Bisexual & Transgender (LGBT) Studies

• Geography & Urban Studies
  • Bachelor of Arts in Geography and Urban Studies
  • Minor in Geography and Urban Studies

• German
  • Bachelor of Arts in German Language and Cultural Studies
  • Bachelor of Arts in Interdisciplinary German Studies
  • Minor in German Language and Cultural Studies
  • Minor in Interdisciplinary German Studies

• Global Studies
  • Bachelor of Arts in Global Studies
  • Minor in Global Studies

• History
  • Bachelor of Arts in History
  • Minor in History

• Italian
  • Bachelor of Arts in Italian
  • Bachelor of Arts in Italian Studies
  • Minor in Italian
  • Minor in Italian Studies

• Japanese
  • Minor in Japanese

• Jewish Studies
  • Bachelor of Arts in Jewish Studies
  • Minor in Jewish Studies

• Latin American Studies
  • Bachelor of Arts in Latin American Studies
  • Minor in Latin American Studies

• Liberal Studies
  • Bachelor of Arts in Liberal Studies

• Neuroscience: Systems, Behavior & Plasticity
  • Bachelor of Science in Neuroscience: Systems, Behavior & Plasticity
  • Minor in Neuroscience Research

• Philosophy
  • Bachelor of Arts in Philosophy
  • Minor in Philosophy

• Political Science
  • Bachelor of Arts in Political Science
  • Minor in Political Science
  • Minor in Public Policy

• Psychology
  • Bachelor of Arts in Psychology
  • Minor in Clinical and Health Psychology
• Minor in Cognitive Neuroscience
• Minor in Psychology
• Religion
  • Bachelor of Arts in Religion
  • Minor in Religion
• Sociology
  • Bachelor of Arts in Sociology
  • Bachelor of Arts in Sociology: Health Track
  • Minor in Sociology
  • Minor in Sociology of Health
• Spanish & Portuguese
  • Bachelor of Arts in Spanish: Language & Professional Studies Option
  • Bachelor of Arts in Spanish: Language, Literature, Linguistics Option
  • Bachelor of Arts in Spanish: Spanish for Education Option
  • Minor in Portuguese
  • Minor in Spanish

• College of Public Health
• All Health Minors & Certificates
  • Certificate in American Sign Language
  • Certificate in Linguistics
  • Minor in Applied Epidemiology
  • Minor in Health Information Management
  • Minor in Nutrition
  • Minor in Public Health
• Communication Sciences & Disorders
  • Bachelor of Arts in Speech, Language & Hearing Science
• Health & Rehabilitation Sciences
  • Bachelor of Arts in Health Studies
  • Bachelor of Science in Health Professions
  • Bachelor of Science in Recreational Therapy
• Health Services Administration & Policy
  • Bachelor of Science in Health Information Management
• Kinesiology
  • Bachelor of Science in Exercise and Sport Science
  • Bachelor of Science in Kinesiology
• Nursing
  • Bachelor of Science in Nursing (B.S.N.)
• Social & Behavioral Sciences
  • Bachelor of Science in Public Health

• College of Science & Technology
• Accelerated Programs
  • Biology, B.A./M.Ed.
  • Biology, B.S./M.Ed.
  • Chemistry, B.A./M.Ed.
  • Chemistry, B.S./M.Ed.
  • Chemistry, B.S./M.S.
  • Computer Science, B.S./M.S.
  • Dental, 3+N Program
  • Geology, B.A./M.Ed.
  • Geology, B.S./M.Ed.
  • Information Science & Technology, B.S./M.S.
  • Mathematics, B.A./M.Ed.
  • Mathematics, B.A./M.S.
Catalog Contents

- Mathematics, B.S./M.Ed.
- Mathematics, B.S./M.S.
- Medical, 3+N Program
- Pharmaceutical Sciences, B.S.
- Pharmacy, 3+N Program
- Physical Therapy, 3+N Program
- Physics, B.A./M.Ed.
- Physics, B.A./M.S.
- Physics, B.S./M.Ed.
- Physics, B.S./M.S.
- Podiatry, 3+N Program

- Biology
  - Biology, B.A.
  - Biology, B.S.
  - Biology, Minor
  - Ecology, Evolution & Biodiversity, B.S.
  - Genomic Medicine, B.S.
  - Genomic Medicine, Certificate
  - Genomic Medicine: Pre-Medicine Track, B.S.
  - Natural Sciences, B.A.
  - Natural Sciences, B.S.
  - Natural Sciences, Minor
  - Neuroscience: Cellular & Molecular, B.S.

- Chemistry
  - Biochemistry, B.S.
  - Chemistry, B.A.
  - Chemistry, B.S.
  - Chemistry, Minor

- Computer & Information Sciences
  - Computer Science, B.A.
  - Computer Science, B.S.
  - Computer Science, Minor
  - Computer Security & Digital Forensics, Certificate
  - Data Science with Concentration in Computation and Modeling, B.S.
  - Data Science with Concentration in Computational Analytics, B.S.
  - Data Science with Concentration in Genomics and Bioinformatics, B.S.
  - Data Science: Computational Analytics, Certificate
  - Data Science: Computational Analytics, Minor
  - Fundamentals of Programming, Certificate
  - Information Science & Technology, B.A.
  - Information Science & Technology, B.S.
  - Information Science & Technology, Minor
  - Mathematics & Computer Science, B.S.

- Earth & Environmental Science
  - Environmental Professional Training, Certificate
  - Environmental Science with Concentration in Applied Ecology, B.S.
  - Environmental Science with Concentration in Climate, B.S.
  - Environmental Science with Concentration in Environmental Geochemistry, B.S.
  - Environmental Science with Concentration in Hydrology, B.S.
  - Geology, B.A.
  - Geology, B.S.
  - Geology, Minor

- Mathematics
• Applied Mathematics, B.S.
• Mathematical Economics, B.A.
• Mathematics, B.A.
• Mathematics, B.S.
• Mathematics, Minor

• Physics
  • Biophysics, B.S.
  • Computer Science & Physics, B.S.
  • Materials Science, B.S.
  • Mathematics & Physics, B.S.
  • Physics, B.A.
  • Physics, B.S.
  • Physics, Minor

• Postbaccalaureate Programs
  • Advanced Core Science Studies, Certificate
  • Basic Core Science Studies, Certificate

• TUteach Programs
  • Biology with Teaching, B.S.
  • Chemistry with Teaching, B.S.
  • Earth & Space Science with Teaching, B.S.
  • General Science with Teaching, B.S.
  • Mathematics & Computer Science with Teaching, B.S.
  • Mathematics & Technology with Teaching, B.S.
  • Mathematics with Teaching, B.S.
  • Physics with Teaching, B.S.

• Course Descriptions
  • Accounting (ACCT)
  • Actuarial Science (AS)
  • Adult & Organizational Development (AOD)
  • Advanced Core Medical Science (ACMS)
  • Advertising (ADV)
  • Aerospace Studies - Air Force ROTC (AIRF)
  • Africology and African American Studies (AAAS)
  • American Studies (AMST)
  • Anthropology (ANTH)
  • Applied Behavior Analysis (ABA)
  • Arabic (ARBC)
  • Architecture (ARCH)
  • Art (ART)
  • Art - Japan Campus (ARTU)
  • Art Education (ARTE)
  • Art History (ARTH)
  • Art Therapy (ARTT)
  • Asian Studies (ASST)
  • Basic Core Medical Science (BCMS)
  • Bioengineering (BIOE)
  • Biology (BIOL)
  • Botany (BOT)
  • Boyer College of Music & Dance (BCMD)
  • Business Administration (BA)
  • Business Education (BSED)
  • Career and Technical Education (CTE)
• Center for the Performing and Cinematic Arts (CFA)
• Chemistry (CHEM)
• Chinese (CHI)
• City and Regional Planning (CTRP)
• Civil Engineering (CEE)
• College of Education (COED)
• College of Liberal Arts (CLA)
• College of Public Health & School of Social Work (CHP)
• College of Science and Technology (SCTC)
• Communication and Social Influence (CSI)
• Communication Sciences and Disorders (CSCD)
• Communication Studies (CMST)
• Communications and Theater (COMM)
• Community Arts (CART)
• Community Development (CDEV)
• Computer & Information Science (CIS)
• Construction Management Technology (CMT)
• Counseling Psychology (CPSY)
• Criminal Justice (CJ)
• Critical Languages Center (CRIT)
• Cultural Studies (CLST)
• Dance (DANC)
• Early Childhood Education (ECED)
• Earth & Environmental Science (EES)
• Economics (ECON)
• Education (EDUC)
• Educational Administration (EDAD)
• Educational Psychology (EPSY)
• Electrical Engineering (ECE)
• Electrical Engineering Technology (EET)
• Elementary Education (ELED)
• Engineering (ENGR)
• Engineering (General) (ENGG)
• Engineering Technology (ENGT)
• English (ENG)
• English Education (Elementary) (ENEE)
• English Education (Secondary) (ENES)
• Environmental Engineering Technology (ENVT)
• Environmental Health (ENVH)
• Environmental Science (CST) (ENVS)
• Environmental Studies (CLA) (ENST)
• Epidemiology and Biostatistics (EPBI)
• Film and Media Arts (FMA)
• Finance (FIN)
• Foundation Program (FDPR)
• French (FREN)
• Gender, Sexuality and Women's Studies (GSWS)
• Geography and Urban Studies (GUS)
• German (GER)
• Global Studies (GBST)
• Graphic Arts and Design (GAD)
• Greek (Ancient) (GRKA)
• Greek (Modern) (GRKM)
• Greek and Roman Classics (GRC)
• Health Information Management (HIM)
• Health Policy and Management (HPM)
• Health Related Professions (HRPR)
• Healthcare Management (HCM)
• Hebrew (HEBR)
• Hindi (HIN)
• History (HIST)
• Honors Program (HNRS)
• Horticulture (HORT)
• Human Development and Community Engagement (HDCE)
• Human Resource Management (HRM)
• Human Services (HS)
• Industrial and Systems Engineering (ISE)
• Intellectual Heritage (IH)
• International Business Administration (IB)
• Italian (ITAL)
• Japanese (JPNS)
• Jewish Studies (JST)
• Journalism (JRN)
• Kinesiology (KINS)
• Klein College of Media and Communication (KLN)
• Korean (KRN)
• Landscape Architecture (LARC)
• Latin (LAT)
• Latin American Studies (LAS)
• Law - Undergraduate Courses (LAWU)
• Legal Studies (LGLS)
• Lesbian, Gay, Bisexual and Transgender Studies (LGBT)
• Management Information Systems (MIS)
• Management Science/Operations Management (MSOM)
• Marketing (MKTG)
• Math Education (Elementary) (MAEE)
• Math Education (Secondary) (MAES)
• Mathematics (MATH)
• Mechanical Engineering (MEE)
• Mechanical Engineering Technology (MET)
• Media Studies & Production (MSP)
• Medicine Undergraduate Courses (MEDU)
• Middle Grades & Secondary Education (MGSE)
• Middle Grades Education (MGRE)
• Military Science (MLSC)
• Music (MUSC)
• Music Education (MUED)
• Music Studies (MUST)
• Naval Science - Navy ROTC (NAVS)
• Neuroscience - CLA (NSCI)
• New Media Interdisciplinary (NMIC)
• Nursing (NURS)
• Nutrition (NUTR)
• Occupational Therapy (OTHR)
Catalog Contents

• Philosophy (PHIL)
• Physics (PHYS)
• Political Science (POLI)
• Portuguese (PORT)
• ProRanger Program (PRAN)
• Psychology (PSY)
• Public Policy (PLCY)
• Public Relations (PR)
• Real Estate (RE)
• Recreational Therapy (RCTH)
• Religion (REL)
• Risk Management and Insurance (RMI)
• Russian (RUS)
• School of Business and Management (SBM)
• School of Sport, Tourism & Hospitality Management (STHA)
• School Psychology (SPSY)
• Science Education (Elementary) (SCEE)
• Science Education (Secondary) (SCES)
• Science, Secondary Education (SCSE)
• Secondary Education (SECE)
• Slavic Languages & Literature (SLVC)
• Social and Behavioral Sciences (SBS)
• Social Studies Education (Elementary) (SSEE)
• Social Studies Education (Secondary) (SSES)
• Social Work - Undergraduate (SSWU)
• Sociology (SOC)
• Spanish (SPAN)
• Special Education (SPED)
• Sport and Recreation Management (SRM)
• Sport, Tourism and Hospitality Management (STHM)
• Statistics (STAT)
• Strategic Management (SGM)
• Study Away Non-TU Program (STAW)
• Supply Chain Management (SCM)
• Teaching English to Speakers of Other Languages (TESL)
• Temple University Japan (TUJ)
• Theater (THTR)
• Theater, Film and Media Arts (TFMA)
• Therapeutic Recreation (THRC)
• Topical Studies (TS)
• Tourism and Hospitality Management (THM)
• TUJ International Business Studies (JIBS)
• Tyler School of Art (TYLE)
• Undergraduate Studies Merit Scholar (USMS)
• University College (UC)
• University Seminar (UNVS)
• Upper Division Honors Program (HONS)
• Urban Education (URBE)
• Vietnamese (VTNM)
• Visual Studies (VS)

• Division of University Studies
• Financial Aid
• Fox School of Business & Management
  • Accounting
    • Accounting with Optional Concentration in Data Analytics, BBA
    • Accounting, BBA
  • Actuarial Science
  • All Business Minors & Certificates
    • Accounting Minor
    • Business Analytics Minor
    • Business Basics Certificate
    • Business Minor
    • Business Plus Certificate
    • Corporate Compliance & Regulatory Policy Minor
    • Corporate Social Responsibility Minor
    • Digital Marketing Minor
    • Economics Minor
    • Entrepreneurship & Innovation Management Certificate
    • Entrepreneurship & Innovation Management Minor
    • Finance Minor
    • General Business Studies Minor
    • Healthcare Management Minor
    • Human Resource Minor for Legal Studies
    • Information Technology Innovation & Entrepreneurship Minor
    • International Business Administration Minor
    • Legal Studies Minor
    • Legal Studies Minor for Human Resource Managers
    • Legal Studies Minor for Real Estate Majors
    • Management Consulting Minor
    • Management Information Systems Certificate
    • Management Information Systems Minor
    • Marketing Minor
    • Organizational Leadership Minor
    • Real Estate Minor
    • Sales Minor
    • Statistics and Data Science Minor
    • Supply Chain Management Minor
• Business Management
• Economics
• Entrepreneurship & Innovation Management
• Finance
  • Banking and Financial Services Concentration
  • Corporate Valuation Concentration
  • Investment Analysis Concentration
• Financial Planning
• Human Resource Management
• International Business
  • International Economics Concentration
  • International Entrepreneurship Concentration
  • International Finance Concentration
  • International Marketing Concentration
  • International Sales & Business Development Concentration
  • International Supply Chain Management, Transportation & Logistics Concentration
• Legal Studies
• Management Information Systems
• Marketing
• Real Estate
• Risk Management & Insurance
  • Employee Benefits Track
  • Healthcare Risk Management Track
  • Property-Liability/Corporate Risk Management Track
• Statistical Science and Data Analytics
• Supply Chain Management
• General Education
  • Analytical Reading & Writing (GW)
  • Arts (GA)
  • Global/World Society (GG)
  • Human Behavior (GB)
  • Intellectual Heritage (GY & GZ)
  • Quantitative Literacy (GQ)
  • Race & Diversity (GD)
  • Science & Technology (GS)
  • U.S. Society (GU)
• Intercollegial Programs
  • Digital Media Technologies, Minor
  • Environmental Programs
  • Mathematical Economics
• Lew Klein College of Media and Communication
  • Advertising and Public Relations
    • Bachelor of Arts in Advertising: Account Management Concentration
    • Bachelor of Arts in Advertising: Art Direction Concentration
    • Bachelor of Arts in Advertising: Brand Strategy & Research Concentration
    • Bachelor of Arts in Advertising: Copywriting Concentration
    • Bachelor of Arts in Advertising: Media Planning Concentration
    • Bachelor of Arts in Public Relations
    • Minor in Content Creation
    • Minor in Digital Media Engagement
    • Minor in Leadership
    • Minor in Public Relations
  • Communication & Social Influence
    • Bachelor of Arts in Communication and Social Influence
    • Minor in Communication and Activism
  • Communication Studies
    • Bachelor of Arts in Communication Studies: Communication and Entrepreneurship Track
    • Bachelor of Arts in Communication Studies: Contemporary Media Environments Track
    • Bachelor of Arts in Communication Studies: Global Civil Society Track
    • Bachelor of Arts in Communication Studies: Major of Distinction (Thesis Track)
    • Bachelor of Arts in Communication Studies: Policy, Regulation and Advocacy Track
    • Minor in Communication Studies
  • International Communication Concentration
  • International Communication Minor
• Journalism
  • Bachelor of Arts in Journalism
  • Minor in Journalism, Society and Culture
• Media Studies and Production
  • Bachelor of Arts in Media Studies and Production: Media Analysis Track
  • Bachelor of Arts in Media Studies and Production: Media Business Track
  • Bachelor of Arts in Media Studies and Production: Media Production Track
• Sports Media Certificate
• School of Social Work
  • Bachelor of Social Work (B.S.W.)

• School of Sport, Tourism & Hospitality Management
  • Bachelor of Science in Event & Entertainment Management
  • Bachelor of Science in Sport & Recreation Management
  • Bachelor of Science in Tourism & Hospitality Management
  • Certificate in Event & Entertainment Management
  • Certificate in Sport Management
  • Certificate in Sport Marketing
  • Certificate in Tourism & Hospitality Management
  • Minor in Sport Management
  • Minor in Tourism & Hospitality Management
  • Pre-Business

• School of Theater, Film and Media Arts
  • Film & Media Arts
    • Bachelor of Arts in Film and Media Arts
    • Bachelor of Arts in Film and Media Arts: Concentration in Cinematography
    • Bachelor of Arts in Film and Media Arts: Concentration in Post Production
    • Bachelor of Arts in Film and Media Arts: Concentration in Producing
    • Bachelor of Arts in Film and Media Arts: Concentration in Screen Studies
    • Bachelor of Fine Arts in Film and Media Arts: Concentration in Directing
    • Bachelor of Fine Arts in Film and Media Arts: Concentration in Media Arts
    • Bachelor of Fine Arts in Film and Media Arts: Concentration in Screenwriting
    • Certificate in Entertainment Industry Studies
    • Certificate in Film
    • Certificate in Media Arts
    • Certificate in Screen Studies
  • Screen Studies Minor

  • Theater
    • Bachelor of Arts in Theater
    • Bachelor of Fine Arts in Musical Theater
    • Bachelor of Fine Arts in Technical Production and Management
    • Certificate in Acting
    • Certificate in Stage Management
    • Certificate in Theater and Community Engagement
    • Certificate in Theater Education
    • Certificate in Voice and Speech for the Actor
  • Theater Minor

• Schools, Colleges, and Divisions

• Temple University, Japan Campus
  • Associate in Arts in General Program
  • Bachelor of Arts in Communication Studies: Production Track
  • Bachelor of Arts in General Program
  • Bachelor of Arts in International Affairs
  • Bachelor of Arts in Japanese
  • Bachelor of Arts in Psychological Studies
  • Bachelor of Science in International Business Studies

• Tuition and Fees

• Tyler School of Art & Architecture
  • Architecture
    • Bachelor of Science in Architecture
    • Bachelor of Science in Facilities Management
    • Bachelor of Science in Historic Preservation
• Art
  • Bachelor of Arts in Art (TUJ)
  • Bachelor of Fine Arts in Ceramics
  • Bachelor of Fine Arts in Ceramics with Entrepreneurial Studies
  • Bachelor of Fine Arts in Fibers & Material Studies with Entrepreneurial Studies
  • Bachelor of Fine Arts in Fibers & Materials Studies
  • Bachelor of Fine Arts in Glass
  • Bachelor of Fine Arts in Glass with Entrepreneurial Studies
  • Bachelor of Fine Arts in Metals/Jewelry/CAD-CAM
  • Bachelor of Fine Arts in Metals/Jewelry/CAD-CAM with Entrepreneurial Studies
  • Bachelor of Fine Arts in Painting
  • Bachelor of Fine Arts in Painting with Entrepreneurial Studies
  • Bachelor of Fine Arts in Photography
  • Bachelor of Fine Arts in Photography with Entrepreneurial Studies
  • Bachelor of Fine Arts in Printmaking
  • Bachelor of Fine Arts in Printmaking with Entrepreneurial Studies
  • Bachelor of Fine Arts in Sculpture
  • Bachelor of Fine Arts in Sculpture with Entrepreneurial Studies
  • Bachelor of Fine Arts Overview
  • Bachelor of Fine Arts with Art Education Concentration

• Art Education
  • Bachelor of Science in Education in Art Education

• Art History
  • Bachelor of Arts in Art History

• Art Therapy
  • Bachelor of Arts in Art Therapy

• Graphic & Interactive Design
  • Bachelor of Fine Arts in Graphic & Interactive Design
  • Bachelor of Fine Arts in Graphic & Interactive Design with Entrepreneurial Studies
  • GAID Bachelor of Fine Arts Overview

• Landscape Architecture & Horticulture
  • Associate in Science in Horticulture
  • Bachelor of Science in Horticulture
  • Bachelor of Science in Landscape Architecture
  • Bachelor of Science in Landscape Architecture with Concentration in Horticulture

• Minors & Certificates
  • Certificate in Community Arts Practices
  • Certificate in Creative Entrepreneurship
  • Certificate in Environmental Sustainability
  • Certificate in Historic Preservation
  • Certificate in Horticultural Therapy
  • Certificate in Landscape Plants
  • Certificate in Native Perennial Garden Design
  • Certificate in Sustainable Food Systems
  • Minor in Art
  • Minor in Art History
  • Minor in City & Regional Planning
  • Minor in Community Development
  • Minor in Ecological Planning & Design
  • Minor in Environmental Horticulture
  • Minor in Landscape Studies
  • Minor in Sustainable Food Systems

• Planning & Community Development
• Bachelor of Science in Community Development
• Visual Studies
  • Bachelor of Arts in Visual Studies

• University College
  • Bachelor of General Studies in General Studies
  • Certificate in National Park Service Management
  • Certificate in Specialized Studies in Science and Mathematics
  • Certificate in Sustainability
  • Postbaccalaureate Certificate in National Park Service Management
  • ProRanger Philadelphia Program