About the Architecture Department

Tyler Architecture focuses on design in the contexts of culture, technology, and stewardship of the built and natural environment. Its programs stress critical inquiry and innovation as part of the creative process, teaching students how to intervene in the physical world through carefully considered acts of making. The Department engages the city, exploring and addressing the ethical and social dimensions of architecture and the urban environment. Through this engagement, it seeks to develop an ethos of responsibility in the students, preparing them to become effective leaders in practices and discourses surrounding the complex global and local issues of our time.

The Department offers the following degrees:

- Bachelor of Science in Architecture pre-professional degree
- Bachelor of Science in Facilities Management
- Bachelor of Science in Architectural Preservation
- Bachelor of Science in Architecture and Master of Architecture, Professional Track 4+1 accelerated program (new!)
- Master of Architecture, National Architectural Accrediting Board (NAAB) accredited degree, two-year Professional track, for students who receive a 4-year pre-professional bachelor's degree program in architecture, three year Design Intensive track for students who receive a bachelor's program in other disciplines or in a non-pre-professional architecture program

The undergraduate architecture curricula share a common two-year Foundation Program. Upon successful completion of this preparatory program, students may continue in the Bachelor of Science in Architectural Preservation or the Bachelor of Science in Facilities Management, or can apply for acceptance into the Bachelor of Science in Architecture degree program.

Since the four-year Bachelor of Science in Architecture degree program leads directly to the Master of Architecture degree program, admission is competitive. This is so that students are well prepared for graduate level professional program studies after obtaining the Bachelor of Science in Architecture degree. Typically, students have a cumulative GPA of 3.0 or higher and an excellent portfolio. Completion of minimum entrance requirements does not guarantee admission.

In fall 2014, the Architecture department will launch the new 4+1 BS in Arch + M.Arch. professional track program. The accelerated degree program will consist of a minimum of 111 semester hours of undergraduate coursework, a maximum of 12 (twelve) semester hours of graduate coursework to count towards both the undergraduate and the graduate degrees. Upon successful completion of the fourth year, students will receive a Bachelor of Science in Architecture. At the end of the contiguous fifth year (including two summers), students will receive a Master of Architecture, Professional Track. Students will complete the requirements for both degrees in five years including two summer semesters of graduate coursework. To be eligible for the program, students must be declared Architecture majors; have a minimum of 3.5 cumulative GPA in at least 45 credits of coursework taken at Temple; be able to complete their undergraduate degree in four full-time semesters (beginning with their first semester taking a graduate course as an undergraduate); and be able to complete the graduate degree in one additional year including two summer semesters of graduate coursework.

The four-year Bachelor of Science in Architecture degree is a pre-professional program. 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.

The four-year Bachelor of Science in Facilities Management degree prepares students for a career in the profession of Facility Management. It is a profession that encompasses multiple disciplines to ensure functionality of the built environment by integrating people, place, process and technology. Students who choose this degree program can pursue facility management certification after entering into the profession.

The four-year Bachelor of Science in Architectural Preservation degree prepares students for a career in cultural and historic preservation focused on the built environment. Careers in the field of Architectural Preservation are those where leadership includes advocacy for places important to the underlying cultural and historical infrastructure of communities and environments.

The NAAB accredited Master of Architecture (M.Arch.) professional degree program prepares students for the practice of architecture in entry-level positions. All undergraduate and graduate students in the department are eligible to register for and begin the NCARB Intern Development Program (IDP). Tyler Architecture Department offers two tracks in the M.Arch. degree program, a 2-year Professional Program track for students who have
earned a pre-professional Bachelor's degree in architecture and a 3-year Design Intensive track for students who have a non-pre-professional Bachelor's degree in architecture or another discipline. 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.

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 three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a 5-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards. Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

All Architecture Department students have the opportunity to study abroad for a semester at Temple Rome or Temple Japan. Admission to these programs is competitive. Applications are made through the Temple Education Abroad Office.

For students entering our programs from Fall 2010 onwards, the Master of Architecture (2-year professional track and 3-year design intensive track) is the National Architecture Accreditation Board accredited professional degree (NAAB, www.naab.org (http://www.naab.org)).

(Note: The Bachelor of Architecture degree program is not available for students entering in Fall 2010 or after. Students who entered in 2009 and who have completed a substantial amount of the requirements of the Bachelor of Architecture degree program by Spring 2014 will have until Spring 2016 to finish all requirements for the Bachelor of Science in Architecture or the Bachelor of Architecture degrees offered on entry in 2009. For further information, consult the department's web site at tyler.temple.edu/programs/architecture)

**Study Abroad**

Students who plan to study abroad should arrange to meet with an academic advisor as early as possible, preferably during the freshman year, in order to plan the sequence of courses that would be most appropriate. While students majoring in Architecture may study in Rome in the fall or spring semester, Japan is only an option for the spring. Because of program requirements in the fall semesters of junior and senior years, Architectural Preservation and Facilities Management majors should consider attending the Rome or Japan program only during the spring semester of the junior year.

**Programs**

- Bachelor of Science in Architectural Preservation (http://bulletin.temple.edu/undergraduate/tyler-art/architecture/bs-architectural-preservation)
- Bachelor of Science in Architecture (http://bulletin.temple.edu/undergraduate/tyler-art/architecture/bs-architecture)
- Bachelor of Science in Facilities Management (http://bulletin.temple.edu/undergraduate/tyler-art/architecture/bs-facilities-management)

**Courses**

**ARCH 0835. Guerrilla Altruism: A Mini-Manual of Subversive Activism. 3 Credit Hours.**
A multi-disciplinary investigation into the unorthodox strategies deployed by contemporary guerrilla artists and activists, reformers and humanitarians, eventually culminating in the design and realization of one or more small-scale humanitarian interventions within Temple's surrounding communities.

**NOTE:** This course fulfills the Human Behavior (GB) requirement for students under GenEd and Individual & Society (IN) for students under Core.  
**Course Attributes:** GB  
**Repeatability:** This course may not be repeated for additional credits.

**ARCH 0935. Honors Guerrilla Altruism: A Mini-Manual of Subversive Activism. 3 Credit Hours.**
A multi-disciplinary investigation into strategies deployed by contemporary community based architects, artists and activists. The course engages community groups and results in collaborative planning and design strategies, proposals, and projects in Philadelphia and surrounding communities.

**NOTE:** This course fulfills the Human Behavior (GB) requirement for students under GenEd.  
**Cohort Restrictions:** Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR  
**Course Attributes:** GB, HO  
**Repeatability:** This course may not be repeated for additional credits.

**ARCH 0975. Honors Architecture & the American Cultural Landscape: Physical Dimensions of Cultural Settings. 3 Credit Hours.**
This course examines the cultural richness of Architecture and the layered American landscapes – urban and rural – in order to gain an understanding of their physical and historical contexts over time. Through investigation of select settings at various scales and regions, students will learn to examine architecture in relation to the natural, infrastructural, and socio-political determinants of our physical environment in order to better account for the appearance, repercussions, and potential of the American cultural landscape.  
**Cohort Restrictions:** Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR  
**Course Attributes:** GU, HO  
**Repeatability:** This course may not be repeated for additional credits.
ARCH 1001. Introduction to Design and the Environment. 3 Credit Hours.

An introduction to the complex and contingent relationship between architects and the environments in which they intervene. Using contemporary and historical materials, students will begin to understand how architects establish and position design processes in response to their social, technological, and material situations. Coursework includes both position papers in response to particular reading topics as well as diagrammatic interrogations of the city around us. NOTE: (1) Open to non-majors. (2) A required course for all students interested in majoring in architecture and an elective university Core course in the Arts category. (3) This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university Gen Ed requirements. See your advisor for further information.

**Course Attributes:** AR

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1011. Visual Literacy for Architects 1. 3 Credit Hours.

This course focuses on the development of visual literacy, graphic techniques, and 3D formal exploration. Through projects supported by research, graphically-based exercises, and formal investigations, students will be exposed to the process of representation in architecture. Units dealing with line, patterning, surface articulation, form, and assembly will be explored through 2D and 3D analog constructions. Thematic concepts linked to each unit will be presented through the work and representation of architects and artists. NOTE: Course previously titled "Design Representation I."

**Field of Study Restrictions:** Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1012. Visual Literacy for Architects 2. 3 Credit Hours.

This course continues to focus on the development of visual literacy, graphical techniques, and 3D formal exploration. Through projects supported by research, graphically-based exercises, and formal investigations, students will be exposed to the process of representation in architecture. Methods of deconstruction and filtering, narrative assemblies, motion systems, propositional imagery, and visual assembly will be explored through 2D and 3D analog and digital constructions. Thematic concepts linked to each unit will be presented through the work and representation of architects and artists. NOTE: Course previously titled "Design Representation II."

**Field of Study Restrictions:** Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1013. Architectural Representation for Non-Majors. 3 Credit Hours.

Introduction to architectural representation and design. This is a studio based course for non-majors. Students are introduced to 2D and 3D architectural design graphic techniques, and engage in drawing and model making in a studio setting. Note: This course may not count as an Architecture elective course for the BS in Architecture, BS in Facilities Management or BS in Architectural Preservation.

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1017. Photography and Visual Literacy. 3 Credit Hours.

Photography is explored as a visual language, complete with vocabulary, syntax, and modes of expression. This course introduces the principles of visual design that are particularly important for creating articulate and aesthetically engaging photographs. Using their own digital cameras, students develop sufficient technical competence to be able to make photographs that investigate the fundamental issues of visual design, in the context of environmental studies. NOTE: This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.

**Course Attributes:** AR

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1031. Design Fundamentals I. 4 Credit Hours.

Exploration of the fundamental principles of design, with an emphasis on the body in the natural landscape; introduction to landscape research and site analysis; consideration of design logics drawn from nature - natural systems, processes and patterns; introduction to the desk critique and design review as teaching methods.

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1032. Design Fundamentals II. 4 Credit Hours.

Geometry, measurement and fabrication processes as the basis of design; consideration of material processes of form making and methods of assembly - stacking, folding, bending, folding etc.; development of rigorous design thinking through making; integration of material, craft, tectonic and visual practice; further development of the desk critique and design review as teaching methods.

**Repeatability:** This course may not be repeated for additional credits.

ARCH 1196. History of Form of Cities. 3 Credit Hours.

Study of the physical design of cities with particular emphasis on the emergence of settlement patterns and their relationship to landforms and social intentions. NOTE: This course can be used to satisfy a university Core Arts (AR) and Writing Intensive (WI) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.

**Course Attributes:** AR

**Repeatability:** This course may not be repeated for additional credits.
ARCH 1996. Honors History of Form of Cities. 3 Credit Hours.
Study of the physical design of cities with particular emphasis on the emergence of settlement patterns and their relationship to landforms and social intentions. NOTE: This course can be used to satisfy a university Core Arts (AR) and Writing Intensive (WI) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: AR, HO
Repeatability: This course may not be repeated for additional credits.

ARCH 2121. Foundation Architectural Design 1. 4 Credit Hours.
The development of design logics drawn from natural systems, processes and measurement; introduction to landscape research and site analysis; development of the desk crit as a teaching method; craft based modes of drawing, model making, and visualization; emphasis on graphic and spatial relationships, active plotting and site analysis. Scale: the body in the natural landscape.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(Arch 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently)
AND
(Arch 1012|Minimum Grade of C-|May not be taken concurrently
OR AR12 Y|May not be taken concurrently).

ARCH 2122. Foundation Architectural Design 2. 4 Credit Hours.
Developing rigorous design thinking through making and the integration of material, craft, tectonic and visual practice. Further development of the design crit plus methods of communicating design objectives. Scale: artifact, body and spatial envelope.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(Arch 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently)
AND
(Arch 1012|Minimum Grade of C-|May not be taken concurrently
OR AR12 Y|May not be taken concurrently)
AND
(Arch 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently).

ARCH 2123. Facility Management Foundation I. 3 Credit Hours.
Studio with a focus on interior architecture, space occupation, and qualities of space. Analysis and practical application of use of space, adjacencies, to provide a general understanding of place making, methods of construction, tectonics and detailing as design concerns; introduction to precedent study as research technique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Co-requisites: ARCH 2153
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(Arch 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently)
AND
(Arch 1012|Minimum Grade of C-|May not be taken concurrently
OR AR12 Y|May not be taken concurrently).

ARCH 2124. Facility Management Foundation II. 3 Credit Hours.
Studio with environmental sustainability focus for facility management - energy and resource use, hydrology, sustainable materials, infrastructure and building methods, recycling, environmental performance and quality; emphasis on systems and details (very large and very small); development of techniques for environmental analysis (observation, data analysis, etc.); development of ecological and environmentally responsive design proposals; program development; introduction to design collaboration.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Co-requisites: ARCH 2154
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(Arch 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently
OR Arch 2123|Minimum Grade of C-|May not be taken concurrently
OR AR23 Y|May not be taken concurrently.
ARCH 2131. Architectural Design I. 6 Credit Hours.
The house as essential site of architecture. Consideration of relationships between program, culture, society and form making at a domestic scale; consideration of structure, space, shelter and place making; methods of construction, tectonics and detailing as design concerns; introduction to precedent study as research technique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 1032|Minimum Grade of C-|May not be taken concurrently.

ARCH 2132. Architectural Design II. 6 Credit Hours.
Studio with environmental sustainability focus - energy and resource use, hydrology, sustainable materials, infrastructure and building methods, recycling, environmental performance and quality; emphasis on systems and details (very large and very small); development of techniques for environmental analysis (observation, data analysis etc.); development of ecological and environmentally responsive design proposals; program development; introduction to design collaboration.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture Undeclared
Repeatability: This course may not be repeated for additional credits.

ARCH 2141. Architectural History: Ancient through Renaissance. 3 Credit Hours.
Traces the history of Western architecture from the ancient world to the high renaissance and mannerism of the late 16th century. The evolution of architectural thought, various formal languages (styles) and theoretical concepts are studied through the examination of selected buildings within their specific political, social, economic, and cultural milieu. Emphasis on the analysis of the ancient temple and the Christian church. NOTE: This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Course Attributes: AR
Repeatability: This course may not be repeated for additional credits.

ARCH 2142. Architectural History: Renaissance through 20th Century. 3 Credit Hours.
Traces the history of Western architecture from the 17th century through the 20th century. The evolution of architectural thought, various languages (styles) and theoretical concepts studied through the examination of selected buildings within their specific political, social, economic, and cultural milieu. Analysis of the significant buildings of the baroque and rococo, the neo-classic and the romantic, modernist, and post-modernism periods. NOTE: This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Course Attributes: AR
Repeatability: This course may not be repeated for additional credits.

ARCH 2151. Architecture, Technology, and the Environment. 3 Credit Hours.
Introduction to behavioral, environmental and technological factors in relation to the building design process. Basic exploration of functional, sustainable and material aspects of architecture.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 1001|Minimum Grade of C-|May not be taken concurrently
OR AR01 Y|May not be taken concurrently)
AND (ARCH 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently).

ARCH 2153. Facility Management Case Study Research I. 1 Credit Hour.
Case study research course focused on available products and applications of architectural interiors. This is a one-credit lab component for ARCH 2123: Facility Management Foundation I.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Co-requisites: ARCH 2123
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently)
AND (ARCH 1012|Minimum Grade of C-|May not be taken concurrently
OR AR12 Y|May not be taken concurrently).
ARCH 2154. Facility Management Case Study Research II. 1 Credit Hour.
Case study research course focused on available products, applications, and issues pertaining to sustainable architecture. This is a one-credit lab component for ARCH 2124: Facility Management Foundation II.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Co-requisites: ARCH 2124
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently
OR ARCH 2123|Minimum Grade of C-|May not be taken concurrently
OR AR23 Y|May not be taken concurrently.

ARCH 2941. Honors Architectural History: Ancient through Renaissance. 3 Credit Hours.
Traces the history of Western architecture from the ancient world to the high renaissance and mannerism of the late 16th century. The evolution of architectural thought, various formal languages (styles) and theoretical concepts are studied through the examination of selected buildings within their specific political, social, economic, and cultural milieu. Emphasis on the analysis of the ancient temple and the Christian church. NOTE: This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: AR, HO
Repeatability: This course may not be repeated for additional credits.

ARCH 2942. Honors Architectural History: Renaissance through the 20th Century. 3 Credit Hours.
Traces the history of Western architecture from the 17th century through the 20th century. The evolution of architectural thought, various languages (styles) and theoretical concepts studied through the examination of selected buildings within their specific political, social, economic, and cultural milieu. Analysis of the significant buildings of the baroque and rococo, the neo-classic and the romantic, modernist, and post-modernism periods. NOTE: This course can be used to satisfy the university Core Arts (AR) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: AR, HO
Repeatability: This course may not be repeated for additional credits.

ARCH 3010. Seminar: Special Topics in Communications. 3 Credit Hours.
Special seminar in dealing with communications in the field of architecture. Topic varies with year and instructor. Consult Architecture Program office. NOTE: May be taken more than once for credit, when each topic is unique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3012. Computer Aided Facility Management. 3 Credit Hours.
Consideration of current trends and practices in computer aided facility management (CAFM), computerized maintenance management systems (CMMS) and integrated computer-aided design (CAD) applications and databases.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Facilities Management
Repeatability: This course may not be repeated for additional credits.

ARCH 3013. Project Planning & Programming. 3 Credit Hours.
A course covering the general processes related to the planning, programming, design, construction and occupancy of facilities, including long range, strategic and tactical planning, the relationship between facility planning and business planning, organization of sites, buildings and interiors. Also covered are specific tools and techniques for these functions, including design and construction documentation and contracts, facility inventories, space planning and relocation management, construction and installation specifications, value engineering, post-occupancy evaluation, contract management and cost estimating techniques.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 1011|Minimum Grade of C-|May not be taken concurrently
OR AR11 Y|May not be taken concurrently)
AND (ARCH 1012|Minimum Grade of C-|May not be taken concurrently
OR AR12 Y|May not be taken concurrently)
AND (ARCH 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently).
ARCH 3020. Special Topics Studio. 6 Credit Hours.
Special design studio. Topics vary with year and instructor. Consult Architecture office for more information.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3030. Special Topics in Design. 3 to 6 Credit Hours.
Special studio dealing with issues of architectural design. Topics vary with year and instructor. Consult Architecture office for more information. May be taken more than once for credit when each topic is unique. NOTE: Architecture majors only.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3040. Seminar: Special Topics in History and Theory. 3 Credit Hours.
Special seminar dealing with history and theory of architecture. Topics vary with year and instructor. Consult Architecture Program office for more information. NOTE: May be taken more than once for credit when each topic is unique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3050. Seminar: Special Topics in Technology. 3 Credit Hours.
Special seminar dealing with technology in the field of architecture. Topics vary with year and instructor. Consult Architecture Program office for more information. NOTE: May be taken more than once for credit when each topic is unique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3070. Seminar: Special Topics in Site and Context. 3 Credit Hours.
Special seminar dealing with issues of site and context in the field of Architecture. Topics vary with year and instructor. Consult Architecture Program office for more information. NOTE: May be taken more than once for credit when each topic is unique.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3080. Seminar: Special Topics in Behavior & Culture. 3 Credit Hours.
Special seminar dealing with issues of behavior and culture in the field of architecture. Topics vary with year and instructor. Consult architecture department office for more information.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3096. Vernacular Architecture. 3 Credit Hours.
Study of vernacular architecture as an embodiment of site, culture, indigenous materials and craft.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Course Attributes: WI
Repeatability: This course may not be repeated for additional credits.

ARCH 3097. Introduction to Facility Management. 3 Credit Hours.
Overview of the profession of facility management, including the organizational, managerial, ethical and legal principles behind facility management services. The course includes the history of facility management and related professions, concepts, roles and responsibilities of the profession, basic facility management functions and techniques, organizational issues (including corporate culture, relationships between facility units and other organizational divisions, facility management and industry structure, etc.) and codes and other regulatory issues. The course is writing intensive.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Facilities Management
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Science
Course Attributes: WI
Repeatability: This course may not be repeated for additional credits.

ARCH 3111. Introduction to Architectural Preservation. 3 Credit Hours.
This course introduces students to the scope of architectural conservation, preservation and adaptive reuse, their histories, philosophies and theoretical bases. It introduces techniques for the preservation of buildings, including those for observation, recording and intervention.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architectural Preservation
Repeatability: This course may not be repeated for additional credits.

ARCH 3146. Engaging Places: Observations. 2 Credit Hours.
This course introduces students to the study of buildings and public places in Philadelphia using a set series of investigative and observation methods.
Repeatability: This course may not be repeated for additional credits.
ARCH 3152. Materials and Methods. 4 Credit Hours.
Introduction to construction materials, fundamentals of building construction, methods of assembling building systems in an integrated manner, and costing. Introduces specific regulatory issues dealing with zoning regulations, building codes, and barrier-free access requirements within the context of contemporary building techniques. Methods of construction in wood, masonry, concrete, and steel are described in detail and issues of enclosure, roofing, insulation, and finishes are presented. The course carries technical drawing requirements.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 2151|Minimum Grade of C-|May not be taken concurrently
OR AR51 Y|May not be taken concurrently)
AND (MATH 1031|Minimum Grade of C-|May not be taken concurrently)
AND (PHYS 1021|Minimum Grade of C-|May not be taken concurrently).

ARCH 3174. Site Investigations. 3 Credit Hours.
The course focuses on the discourse on urban form, the environment and design process that has emerged since the middle of the 20th century. It will examine theories and projects that address the integration of architecture, landscape and urbanism, so that students will be better prepared to address complex issues surrounding building sustainable environments. The subject is explored through readings, lectures, and case studies. NOTE: This course is offered to Bachelor of Architecture majors only.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently)
AND (ARCH 2122|Minimum Grade of C-|May not be taken concurrently
OR AR22 Y|May not be taken concurrently).

ARCH 3196. Architecture History Non-Western. 3 Credit Hours.
An examination of non-western architecture from its ancient and primitive beginnings to its contemporary expressions, focusing on Africa, the Middle East, the Far East and Southeast Asia, India, and Pre-Colombian America. Special emphasis is placed on the understanding of non-western religions Islam, Hinduism, and Buddhism, and also on Judaism, and on the shaping of appropriate worship places.
Course Attributes: WI
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 2141|Minimum Grade of C-|May not be taken concurrently
OR AR41 Y|May not be taken concurrently.

ARCH 3212. Introduction to CAD. 3 Credit Hours.
This lecture and hands-on lab course will introduce students to the implementation of CADD and other integrated software within the field of Architecture.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits.

ARCH 3231. Architectural Design III. 6 Credit Hours.
Sustainable urban design studio, at a neighborhood scale; development of a variety of techniques to analyze, map, represent and generate urban environments - geographical, economic, social, cultural, formal; development of urban program; collaboration within a group and with aligned fields - real estate, planning, civic, neighborhood etc.; introduction of peer critique and self evaluation.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture, Bach of Sci in Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 2121|Minimum Grade of C-|May not be taken concurrently
OR AR21 Y|May not be taken concurrently)
AND (ARCH 2122|Minimum Grade of C-|May not be taken concurrently
OR AR22 Y|May not be taken concurrently).

ARCH 3232. Architectural Design IV. 6 Credit Hours.
Elective studio: Students will select from a range of the studio topics, with offerings depending on faculty expertise. Topics will be drawn from the following: Innovation, materials and fabrication studio; Interdisciplinary studio; Big and complex building studio; Community design studio; Global urban systems studio. Not all topics will be offered every year.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture, Bach of Sci in Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 3231|Minimum Grade of C-|May not be taken concurrently.
ARCH 3233. Architecture Design Studio in Tokyo (Undergraduate). 6 Credit Hours.
Complex design investigation incorporating analysis of urban systems, observational research, data collection and analysis and the study of architectural precedent. This course aims to develop understandings of a foreign architectural and urban culture and how to engage it and promotes cosmopolitan values. Scale: variable.
Repeatability: This course may not be repeated for additional credits.

ARCH 3234. Architectural Design Studio in Rome. 6 Credit Hours.
Architectural design studio at the Rome Campus with noted architectural faculty from Italy. Special application required. Consult Architecture Department office for more information. Course may be used to satisfy one of the upper level studios [Architecture 3231 (0231), 3232 (0232), or 4332 (0332)] but may only be taken once.
Repeatability: This course may not be repeated for additional credits.

ARCH 3241. Seminar Analysis of Urban Structure in Rome. 3 Credit Hours.
Research on urban systems and forms that have marked the development of Italian and Roman architecture from the 15th to the 18th century and that are now a reference point in every Western city: the piazza, the Roman palazzo, the theater, the garden. The course is intended to be a theoretical and analytical complement to the Rome Campus design course.
Repeatability: This course may not be repeated for additional credits.

ARCH 3242. Urban Seminar in Tokyo (Undergraduate). 3 Credit Hours.
This course provides students an overview of architecture and urbanization in historic and contemporary Japan. Economic, socio-political and technological forces that have shaped the built environment and architecture are discussed and the work of contemporary Japanese architects are studied and analyzed. The course is a theoretical and analytical complement to the Architecture Design Studio.
Repeatability: This course may not be repeated for additional credits.

ARCH 3243. Movements in Modern Architecture. 3 Credit Hours.
History and theories of the architecture and urbanism of the modern period, from the beginning of the 19th century until the 1960's. Key ideas, texts and iconic buildings from the USA, Europe and other sites of the modernist diaspora are discussed.
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 2142|Minimum Grade of C-|May not be taken concurrently
OR AR42 Y|May not be taken concurrently.

ARCH 3251. Structural Analysis for Architects. 3 Credit Hours.
This course covers loadings determination and evaluation, resolution and equilibrium of force systems, truss analysis, centroids, moments of inertia, shear and bending moment diagrams, basic beam, column, and system design.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(MATH 1031|Minimum Grade of C-|May not be taken concurrently
AND PHYS 1021|Minimum Grade of C-|May not be taken concurrently).

ARCH 3252. Structural Design for Architects I. 3 Credit Hours.
The structural behavior of steel and timber as primary construction materials. The design of tension members, connections, beams, compression members, and frames.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 3251|Minimum Grade of C-|May not be taken concurrently
OR AR32 Y|May not be taken concurrently.

ARCH 3255. The Art of Detailing. 3 Credit Hours.
Exploration of architectural details and their application and evolution in architectural works through a historical perspective. Students research, analyze, describe, and document their findings into a bound volume.
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 2122|Minimum Grade of C-|May not be taken concurrently
OR AR22 Y|May not be taken concurrently)
AND (ARCH 2151|Minimum Grade of C-|May not be taken concurrently
OR AR51 Y|May not be taken concurrently).

ARCH 3256. Design, Behavior, and Culture. 3 Credit Hours.
This course has three objectives: to gain an understanding of how users perceive environments and adapt to them; to investigate the potential role of environmental psychology factors in architectural design; and to develop working methodology based on behavioral and social science principles.
Repeatability: This course may not be repeated for additional credits.
ARCH 3273. Housing and Community Design. 3 Credit Hours.
This course explores the context of housing and the design of communities in the Modern era and uses examples both local and world-wide as case studies.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits.

ARCH 3296. Movements in Modern Architecture. 3 Credit Hours.
History and theories of the architecture and urbanism of the modern period, from the beginning of the 19th century until the 1960's. Key ideas, texts and iconic buildings from the USA, Europe and other sites of the modernist diaspora are discussed. NOTE: This is a writing-intensive course.

Course Attributes: WI
Repeatability: This course may not be repeated for additional credits

Pre-requisites: 
(ARCH 2141|Minimum Grade of C-|May not be taken concurrently
OR AR41 Y|May not be taken concurrently)
AND (ARCH 2142|Minimum Grade of C-|May not be taken concurrently
OR AR42 Y|May not be taken concurrently).

ARCH 3354. Sustainability and Architecture. 3 Credit Hours.
The study of the ecological, environmental, socio-cultural, and behavioral principles of sustainable architecture, including climatic considerations, total energy systems, resource management, energy-efficient technologies, ecological design strategies, as well as issues of social equity and environmental justice.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits

Pre-requisites: 
(ARCH 2151|Minimum Grade of C-|May not be taken concurrently
OR AR51 Y|May not be taken concurrently)
AND (MATH 1031|Minimum Grade of C-|May not be taken concurrently)
AND (PHYS 1021|Minimum Grade of C-|May not be taken concurrently).

ARCH 3362. Architecture Workshop. 3 Credit Hours.
Preparation for and classroom experience with an interdisciplinary team that introduces an awareness of the principles of architecture and the built environment to young children in city schools. Teams are composed of an architecture student, a practicing architect, and a school teacher; in collaboration with the Foundation for Architecture, the School District of Philadelphia, and the Graduate School of Fine Arts of the University of Pennsylvania, as well as volunteers from architectural firms.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits.

ARCH 3391. Independent Research. 3 to 7 Credit Hours.
A project assigned with the approval of the Program Director and conducted under the supervision of a faculty sponsor.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 3970. Honors Special Topics in Architecture, Site and Context. 3 Credit Hours.
Special topics seminar dealing with issues of site and context in the field of Architecture. Topics vary with year and instructor. Consult Architecture program office and honors course catalog for more information. NOTE: May be taken more than once for credit when each topic is unique.

Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: HO
Repeatability: This course may be repeated for additional credit.

ARCH 4011. Research Methods for Facility Management. 3 Credit Hours.
Research and analytical methods for facility management, including literature searches, data collection, analysis and application, basic descriptive and inferential statistics, benchmarking, audits, post-occupancy evaluation and diagnostic, performance and needs assessment. The course is project based and will engage in working relationships with companies in the Philadelphia region.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Facilities Management
Repeatability: This course may not be repeated for additional credits

Pre-requisites: 
(ARCH 3013|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3097|Minimum Grade of C-|May not be taken concurrently).

ARCH 4096. Professional Practice. 3 Credit Hours.
Administrative and business aspects of the architectural profession, professional relations between architect, engineer, owner, and contractor. Legal aspects of modern practice. Marketing architectural services, project organization, and production.

Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Course Attributes: WI
Repeatability: This course may not be repeated for additional credits.
ARCH 4099. Capstone Research Seminar for Facility Management. 4 Credit Hours.
The capstone course for all B.S. Facility Management majors that focuses on a self defined individual research topic within the field of facility management based on case study analysis requiring investigative research, problem definition, alternative considerations and solution building. It has a seminar format with discussion and commentary expected from all participants. The course results in the development and presentation of a senior level thesis.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Facilities Management
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
(ACCT 2101|Minimum Grade of C-|May not be taken concurrently
OR ACCT 2901|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3012|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3013|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3097|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3152|Minimum Grade of C-|May not be taken concurrently)
OR AR31 Y|May not be taken concurrently)
AND (ARCH 4011|Minimum Grade of C-|May not be taken concurrently)
AND (RE 3501|Minimum Grade of C-|May not be taken concurrently).

ARCH 4141. Global Preservation Practice. 3 Credit Hours.
This course introduces the agencies, global, national and regional, operating in the fields of architectural conservation, preservation and adaptive reuse. Through global, national and regional case studies, it develops a knowledge base of contemporary practice.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 3111|Minimum Grade of C-|May not be taken concurrently.

ARCH 4145. Research Methods for Architectural Preservation. 3 Credit Hours.
The first half of this course introduces students to sources and methods of investigation particular to historic preservation and develops techniques employed in the physical, verbal, and quantitative documentation of structures, buildings, and sites. Students become acquainted with archival resources, methods of graphical recording and annotation, and preparation of narrative and quantitative records. The second half of this course provides an overview of the physical processes that affect the stability of buildings, structures, and sites and the range of available remedial actions.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architectural Preservation
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 3111|Minimum Grade of C-|May not be taken concurrently.

ARCH 4182. Independent Study in History and Theory. 1 to 7 Credit Hour.
Individual study of advanced nature exploring aspects of architectural history and theory, under the guidance of a faculty advisor.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 4199. Capstone Research Seminar for Architectural Preservation. 4 Credit Hours.
The is the capstone course for all B.S. Architectural Preservation majors that focuses on a self defined individual research topic within the field of architectural preservation or adaptive re-use. Students are required to demonstrate competence through a reality-based case study. The course has a seminar format with discussion and commentary expected from all participants. It results in the development and presentation of a senior level thesis.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architectural Preservation
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
(ARCH 3111|Minimum Grade of C-|May not be taken concurrently
AND ARCH 4141|Minimum Grade of C-|May not be taken concurrently
AND ARCH 4145|Minimum Grade of C-|May not be taken concurrently
AND CHEM 1011|Minimum Grade of C-|May not be taken concurrently).

ARCH 4211. Computer Graphics. 3 Credit Hours.
This course involves lectures and hands-on lab experience in advanced use and applications of computers. The course focuses on graphic programs that allow animation, mapping, visualization, and special rendering techniques. NOTE: Special authorization required for non-majors.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Facilities Management, Architectural Preservation
Repeatability: This course may not be repeated for additional credits.

ARCH 4253. Structural Design for Architects II. 4 Credit Hours.
Structural behavior and analysis of masonry and concrete construction assemblies. In site, precast, prestressed, and post-extensioned installations explored.
Repeatability: This course may not be repeated for additional credits.
ARCH 4282. Independent Study in Technology. 2 to 7 Credit Hours.
Individual study of advanced nature exploring aspects of architectural history and theory, under the guidance of a faculty advisor.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 4296. Design, Behavior and Culture. 3 Credit Hours.
This course aims to develop students' understanding of how users perceive environments and adapt to them, to investigate the potential role of environmental psychology factors in architectural design; and to develop a working methodology for thinking about the environment based on behavioral and social science principles. The course is writing intensive.
Course Attributes: WI
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 2141|Minimum Grade of C-|May not be taken concurrently
OR AR41 Y|May not be taken concurrently.

ARCH 4331. Architectural Design V. 6 Credit Hours.
Comprehensive design studio: the integration of structural and environmental systems, programming, tectonics and detailing into architectural design and expression in holistic and environmentally sustainable ways; comprehensive representation of design; development of time management skills, peer critique and self evaluation; interaction with consultants.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture, Bach of Sci in Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
ARCH 3231|Minimum Grade of C-|May not be taken concurrently.

ARCH 4332. Architectural Design VI. 6 Credit Hours.
Elective studio: students will select from a range of the studio topics, with offerings depending on faculty expertise. Topics will be drawn from the following: Innovation, materials and fabrication studio; Interdisciplinary studio; Big and complex building studio; Community design studio; Global urban systems studio. Not all topics will be offered every year.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture, Bach of Sci in Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 3231|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 3232|Minimum Grade of C-|May not be taken concurrently)
AND (ARCH 4331|Minimum Grade of C-|May not be taken concurrently).

ARCH 4351. Environmental Control Systems for Buildings. 3 Credit Hours.
Heating, ventilating, air conditioning, electric power, lighting, acoustics, vertical transportation, plumbing, and fire protection for buildings.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(ARCH 2152|Minimum Grade of C-|May not be taken concurrently
AND PHYS 1021|Minimum Grade of C-|May not be taken concurrently).

ARCH 4382. Independent Study: Site and Context. 3 to 7 Credit Hours.
Individual study of advanced nature exploring aspects of site, context, or urbanism in architecture, under the guidance of a faculty advisor.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.

ARCH 4431. Advanced Architectural Design. 6 Credit Hours.
Research-driven upper-level elective design studio to develop capacity for research (archival, social, urban etc.) as basis of design; development of initiative, collaboration and peer critique; development of written and graphic skills. Focus will be defined by the faculty teaching the studio and vary from year to year.
Degree Restrictions: Must be enrolled in one of the following Degrees: Bachelor of Architecture
Repeatability: This course may not be repeated for additional credits.

ARCH 4482. Independent Study: Behavior & Culture. 3 to 7 Credit Hours.
Individual study of advanced nature exploring aspects of behavior and culture in architecture, under the guidance of a faculty advisor.
Field of Study Restrictions: Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation
Repeatability: This course may be repeated for additional credit.
ARCH 4596. Seminar in Architectural Theory. 3 Credit Hours.
Theories of architecture and urbanism during the modern and contemporary periods; participation in critical theoretical discussions and the development of a research paper in response to critical feedback. The course serves to lay the ground for the theoretical development of thesis ideas.

**Field of Study Restrictions:** Must be enrolled in one of the following Majors: Architecture, Architecture Undeclared, Facilities Management, Architectural Preservation

**Course Attributes:** WI

**Repeatability:** This course may not be repeated for additional credits

**Pre-requisites:**
- ARCH 3243 | Minimum Grade of C- | May not be taken concurrently
- OR ARCH 3296 | Minimum Grade of C- | May not be taken concurrently.

ARCH 4671. Thesis Program Preparation. 3 Credit Hours.
Focus on architectural design research, research methodology, pre-design, and design development. Course addresses the balance between theoretical propositions and practical applications in design. Research, analytical and speculative design investigations lead to the development of a theoretical point of view and its application to architectural design.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Bachelor of Architecture

**Repeatability:** This course may not be repeated for additional credits

**Pre-requisites:**
- (ARCH 4331 | Minimum Grade of C- | May not be taken concurrently
- AND ARCH 4332 | Minimum Grade of C- | May not be taken concurrently
- AND ARCH 4596 | Minimum Grade of C- | May not be taken concurrently)

ARCH 4691. Thesis Advising I. 1 Credit Hour.
Focus on the development of intellectual content through the design process by engaging in an individual architectural inquiry through research, design, and discourse. Faculty and student advising groups meet to review and discuss the students’ thesis proposals within the larger dialogue of contemporary architectural thought and practice.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Bachelor of Architecture

**Repeatability:** This course may be repeated for additional credit.

ARCH 4699. Architectural Thesis. 6 Credit Hours.
Individual design inquiry that follows on the fall semester thesis research. The focus is on design development, resolution and communication, culminating in a formal juried presentation and a bound document. The course functions as a synthesis of five years of educational experience demonstrating ability for independent study and design synthesis of meaningful architectural quality.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Bachelor of Architecture

**Repeatability:** This course may be repeated for additional credit.

**Pre-requisites:**
- (ARCH 3251 | Minimum Grade of C- | May not be taken concurrently
- OR AR32 Y | May not be taken concurrently
- AND (ARCH 3252 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4253 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4351 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4431 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4596 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4671 | Minimum Grade of C- | May not be taken concurrently
- AND (ARCH 4691 | Minimum Grade of C- | May not be taken concurrently).

ARCH 4791. Thesis Advising II. 1 Credit Hour.
Focus on the development of intellectual content through the design process by engaging in architectural inquiry through research, design, and discourse. Faculty and student advising groups meet to review and discuss the students’ thesis design development within the larger dialogue of contemporary architectural thought and practice.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Bachelor of Architecture

**Repeatability:** This course may be repeated for additional credit.

**Pre-requisites:**
- (ARCH 4671 | Minimum Grade of C- | May not be taken concurrently
- AND ARCH 4691 | Minimum Grade of C- | May not be taken concurrently).