Architectural Studies Major, Preservation Minor, and Civil Engineering Certificate for Architectural Studies majors

www.arch.pitt.edu
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Learning to think about architecture as both the product of a creative process and as a historical phenomenon are the principal goals of the University of Pittsburgh’s bachelor’s program in Architectural Studies. The program endeavors to create a rigorous curriculum and a supportive learning environment, allowing students to build skills and knowledge while developing close working relationships with peers and faculty. Students will gain a broad understanding of the complexity of architecture as a profession and as an academic discipline, and will be well-positioned by their senior year to apply to accredited, graduate programs in architecture or historic preservation at universities in the United States and Canada. Students considering careers in architecture and historic preservation are encouraged to declare Architectural Studies by the end of their freshman year at Pitt.

The Architectural Studies curriculum draws primarily on courses offered in the Department of History of Art and Architecture and the Department of Studio Arts. Students are encouraged to explore related interests through course work in other departments, through off-campus study, and through a range of undergraduate teaching and research opportunities available through Pitt’s University Honors College and the Dietrich School of Arts and Sciences.

As a pre-professional course of study, the program offers students the opportunity to explore their professional interests while acquiring a liberal arts education. Such preparation instills an intellectual maturity and a breadth of cultural experience that serve students to their advantage during professional career training. Students should be fully aware that a degree in architectural studies does not in itself constitute professional or technical training.

Each year, Architectural Studies sponsors a number of special events that enrich our experience and extend our knowledge of architecture. In the fall semester, Architectural Studies majors have the option to participate in a field trip to a major North American city and thus to gain a first-hand understanding of important architectural sites outside western Pennsylvania. In the spring semester, specialists from across the continent are invited to Pitt to participate in the annual Architectural Studies symposium. Finally, a number of on-going special projects centered on local sites and collections of exceptional interest allow students to participate in faculty-driven research.

An outline of the certificate in Civil Engineering for Architectural Studies majors under the auspices of the Swanson School of Engineering’s civil and environmental engineering department is included in this document as is a checklist outlining the requirements for the Preservation minor.

The Architectural Studies Program’s website is an invaluable resource for detailed information about current activities and projects, the curriculum in each track, and resources for students seeking to pursue careers in architectural professions. Please visit www.arch.pitt.edu.

**Required courses for the major – Design track**
The Design Track in the Architectural Studies major requires the completion of 48 credits with an additional 9 credits in a Studio Arts concentration. They are distributed as follows.

**Architectural Studies Courses (33 credits)**
HAA 0940 Approaches to the Built Environment
HAA 1912 Architecture + Digital Media 1
HAA 1913 Foundation Studio 1 *
HAA 1914 Architecture + Digital Media 2
HAA 1916 Design Studio 1 (6 credits) +
HAA 1917 Design Studio 2 (6 credits)
HAA 1040 Architecture: Image, Text, Theory
HAA 1900 Architectural Studies Internship
* This course will carry six credits as of spring 2016 term.
+ Effective spring 2015 term, a grade of C or better is required in HAA 1913 to enroll in this course.

**Physics Course (3 credits)**
PHYS 0110 Introduction to Physics 1

**History of Architecture Courses (12 credits)**
HAA 0040 Introduction to Western Architecture
HAA 0480 Modern Architecture
Two additional HAA courses in architectural history

**Required Studio Arts Concentration (9 credits)**
SA 0130 Drawing Studio 1
SA 0140 Sculpture Studio 1
SA 1430 Perspective Drawing

**Note:** Proficiency in calculus is required for students seeking a career in architecture. It is highly recommended that students successfully complete at least one semester of college-level calculus (MATH 0220) before they graduate.
**Required courses for the major – Preservation track**
The Preservation Track in the Architectural Studies major requires the completion of 39 credits with an additional 12 credits in a prescribed related area in either the History of Urban America or Public Service. They are distributed as follows.

**History of Architecture Courses (12 credits)**
- HAA 0940 Introduction to Western Architecture
- HAA 1530 OR HAA 1531 (Early OR Modern American Architecture)
Two additional HAA courses in architectural history

**Architectural Studies Courses (15 credits as of spring 2016)**
- HAA 0940 Approaches to the Built Environment
- HAA 1900 Architectural Studies Internship
- HAA 1912 Architecture + Design 1
- HAA 1913 Architectural Studies Seminar (6 credits as of spring 2016)

**Preservation Courses (12 credits)**
- HAA 1920 Introduction to Historic Preservation
- HAA 1921 Documentation + Conservation Studio (6 cr.)
- HAA 1922 Preservation: Texts + Theory

**Required Related Area (12 credits)**
Every preservation track major must select either the History of Urban American or the Public Service Related area. See www.arch.pitt.edu/program/preservation_track.php for detailed discussion of the coursework for each.

**Grade requirements:** A minimum GPA of 2.0 is required in those courses that count toward the major. A minimum GPA of 2.75 is required for an internship and a 3.00 for a recommendation to graduate school (although students wishing to apply to graduate school should maintain a minimum GPA of 3.25.)

**Satisfactory/No Credit option:** Only HAA 1900 may be taken on an S/NC basis.

**Writing (W) requirement:** Students must complete at least one W-course in the major. Each track has a w-course in its requirements (HAA 1040 for the Design track and HAA 1922 for the Preservation track.)

**Advising:** It is imperative that students who intend to pursue the architectural studies major contact the departmental advisor as soon as possible to discuss the recommended course sequence for each track, course availability and entry into restricted classes.

**Advising:** Gretchen Bender
Director of Undergraduate Advising, HAA
FKART 104
412-648-2394
ghb1@pitt.edu

**Checklist for the Preservation Minor**
The minor consists of 18 credits. Students majoring in the design track should consult with Gretchen Bender about how to complete the minor as most courses taken for the minor cannot overlap with the major requirements.

Nine credits in the required core courses
- HAA 1920 Introduction to Historic Preservation
- ANTH 1541 Special Topics -- Cultural Resource Management
- HAA 1903 History of Art and Architecture Internship

**Civil Engineering certificate for ARCH ST majors**
A certificate in elementary structural engineering for architectural studies majors is available under the auspices of the Swanson School of Engineering's Department of Civil and Environmental Engineering. It offers a technical, professional component to the major. It consists of a minimum of 27 credits and includes courses in statics and particle dynamics, mechanics of materials, structural analysis, computer methods, concrete structures, and metal structures.

**Required courses:** The Civil Engineering certificate requires the completion of 27 credits distributed as follows.

- MATH 0240 Analytic Geometry and Calculus 3
- MATH 0290 Applied Differential Equations
- ENGR 0131 Statics and Particle Dynamics
- ENGR 0141 Mechanics of Materials
- CEE 1105 Materials of Construction
- CEE 1330 Introduction to Structural Analysis
- CEE 1340 Concrete Structures * and/or
- CEE 1341 Steel Structures 1 *

* Note: If the student takes only one of these courses (CEE 1340, CEE 1341), the student must also complete CEE 0109 Computer Methods in Civil Engineering 1

**Checklist for the Civil Engineering certificate**

**Prerequisite Courses**
- MATH 0220

**One from each of the following four groups**
- CS 0007
- CS 0401
- PHYS 0174
- PHYS 0475
- PHYS 0175
- PHYS 0476

**Option I. (27 credits)**
- MATH 0240
- MATH 0290
- ENGR 0131
- ENGR 0141
- CEE 1105
- CEE 1330
- CEE 1340 or CEE 1341
- CEE 0109

**Option II. (27 credits)**
- MATH 0240
- MATH 0290
- ENGR 0131
- ENGR 0141
- CEE 1105
- CEE 1330
- CEE 1340
- CEE 1341

**Non-Arts and Sciences credits:** Students should note that Engineering (ENGR) and Civil and Environmental Engineering (CEE) courses are non-Arts and Sciences courses. The Dietrich School only allows 18 non-arts and sciences credits to count toward a Dietrich School degree. Thus, since 19 of the 27 credits required for the completion of the Civil Engineering Certificate are non-arts and sciences credits, students will exceed the 18-credit maximum by at least one credit.

Note: Students must go to the Department of Civil and Environmental Engineering in 949 Benedum Hall to declare the Civil Engineering Certificate. Students must apply for any Certificate they will complete or have completed at the time they apply for graduation.