

# ARCHITECTURE (ARCH)

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## Courses

### ARCH 2100 (6) Studio 1: Foundations of Architecture

Provides a framework for students to learn the basic strategies and techniques of architectural design. This project-based studio focuses on concepts of medium-scale building design, site, and climate. Through multiple design exercises, students learn how these factors assist in shaping our buildings.

**Requisites:** Requires prerequisite course of ENVD 1120 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

**Recommended:** Corequisite ARCH 2115.

**Grading Basis:** Letter Grade

### ARCH 2115 (3) Architecture Materials and Methods

Exposes students to the elements and processes used in constructing buildings. Through lectures, technical drawing, material research and exposure to practicing professionals, students build a foundation of knowledge necessary to approach the specification and design of materials and to foster a curiosity in the innovative frontiers of assembly, aesthetics and sustainable life-cycle considerations.

**Requisites:** Restricted to majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

**Recommended:** Corequisite ARCH 2100.

**Grading Basis:** Letter Grade

### ARCH 3100 (6) Studio 2: Intermediate Architecture

Emphasizes the interaction of form, programmatic use, human behavior and context in creating structure. May include a client-based community engaged project, real world applications, and result in a physical product. Students work across analog and digital platforms to produce designs that provide solutions to contemporary challenges.

**Repeatable:** Repeatable for up to 12.00 total credit hours.

**Requisites:** Requires prerequisite course of ARCH 2100 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

**Recommended:** Corequisite ARCH 3114.

**Grading Basis:** Letter Grade

### ARCH 3114 (3) History and Theory of Architecture 1

Focusing on buildings, surveys the built environment starting with some of the first structures built by humans and moving through time to the Industrial Revolution. The course focuses on the development of major styles, influential people, and the drivers of building form.

**Requisites:** Requires prerequisite course of ENVD 1024 (minimum grade C-) and restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) or Architectural Engineering (AREN) majors only with 57-180 credits (Junior or Senior).

**Recommended:** Corequisite ARCH 3100.

**Grading Basis:** Letter Grade

### ARCH 3214 (3) History and Theory of Architecture 2

Picking up after the Industrial Revolution and continuing through to today's Contemporary Architecture, history is taught thematically to cover important structures, key figures, and movements that have shaped our modern world.

**Requisites:** Requires prerequisite course of ENVD 1024 (minimum grade C-) and restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD) or Architectural Engineering (AREN) majors only with 57-180 credits (Junior or Senior).

**Recommended:** Prerequisite ARCH 3114 with a C- or better.

**Grading Basis:** Letter Grade

### ARCH 4100 (6) Studio 3: Capstone in Architecture

Engages students in complex design challenges such as integrating building technology, structural systems, user experiences, and environmental sustainability. Students will focus on contemporary architectural issues within the profession and produce design proposals that address key topics such as climate-resilient, human-centric, and systematically responsive design solutions.

**Requisites:** Requires prerequisite course of ARCH 3100 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

**Recommended:** Corequisite ARCH 4115.

**Grading Basis:** Letter Grade

### ARCH 4115 (3) Architecture Building Technology

Presents the fundamentals of building physics and climate science through experimentation and testing. Students learn the concepts related to structural and mechanical systems necessary for proper building function by first studying and then implementing the key systems through hypothetical building assignments. This class covers active and passive green building systems that are necessary when designing structures for an evolving climate.

**Requisites:** Requires prerequisite course of ARCH 2115 (minimum grade C-). Restricted to all majors in Environmental Design (ARCH, EPOD, LAND, PLAN) and open option (ENVD).

**Grading Basis:** Letter Grade