

# ARCHITECTURE (ARCHITC)

## Architecture (ARCHITC) 104

### History Of Architecture I

The study of world architecture from prehistory through the 16th century. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 101 based on prior coursework or appropriate score on Placement Test; or Consent of Department Chair*

3 Lecture hours. 3 Credit Hours.

**Offered At:** HW, KK, TR, WR

**HD Course**

## Architecture (ARCHITC) 105

### History Of Architecture II

The study of world architecture from the 17th century. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 101 based on prior coursework or appropriate score on Placement Test; or Consent of Department Chair*

3 Lecture hours. 3 Credit Hours.

**Offered At:** HW, KK, TR, WR

**HD Course**

## Architecture (ARCHITC) 110

### Architectural Sketching

Introduction to the observational sketching of architectural subjects. Writing assignments, as appropriate to the discipline, are part of the course.

4 Laboratory hours. 2 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 121

### Basic Design Studio

Introduction to visual and organizational design principles for the generation of spatial and formal ideas. Use of graphic techniques and physical modeling for representation. Writing assignments, as appropriate to the discipline, are part of the course.

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 122

### Intermediate Design Studio

Continuation of ARCHITC 121. Emphasis on the design and articulation of space and its representation. Introduction to spatial concepts of perception and order. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 110 and ARCHITC 121, or consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 123

### Advanced Design Studio

Design processes for the modeling and representation of architectural components and forms. Manipulation of digital content across software applications to manifest representations of design. Output methods in either physical form or digital communication medium appropriate to the discipline. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 170, or Consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 166

### Architectural Design I

Examination of criteria influencing residential design: program, context, municipal regulations, dimensional standards, and anthropomorphic data. Introduction to typologies, organizational strategies and precedents for architectural problem solving. Application of the skills of visual communication and design methodologies. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 96, and grade of C or better or concurrent enrollment in ARCHITC 122, and Grade of C or better or concurrent enrollment in ARCHITC 171, or consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 170

### Digital Lab I

Introduction to the methods of generation and representation of spatial and formal ideas. Use of software applications and a range of output methods. Writing assignments, as appropriate to the discipline, are part of the course.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 171

### Digital Lab II

Three-Dimensional modeling and rendering of spatial and formal constructs using software applications appropriate to the discipline. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 170 or Consent of Department Chairperson.*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 172

### Digital Lab III

Introduction to the assembly of construction drawings for architectural projects. Use of software applications, as appropriate to the discipline. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 170 or Consent of Department Chairperson.*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

## Architecture (ARCHITC) 173

### Architecture-CAD with Third Party Applications

Introduction to third party programs used to develop architectural designs and construction documents via Computer-Aided Design (CAD). Add-on programming to the base drafting package AutoCAD. The student will have hands-on experience with automated architectural programs that streamline management of file handling and the basic command structure. Utilization of comprehensive library symbols with smart features. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 171 or Consent of Department Chairperson.*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 174**

**Computer Aided Design V for Architectural Drafting**

Introduction to third party programs used to develop architectural designs and construction documents via Computer-Aided Design (CAD). Add on program to the base drafting package AutoCAD. The students will have hands on experience with 3-D studio. This course will include three-dimensional modeling with complete rendering. The model will include texture of materials, various lighting schemes with shade and shadow. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 171 or Consent of Department Chairperson.*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 202**

**Construction I**

Study of the materials and methods of building construction. Emphasis on architecture framed in wood and light-gauge metal. Application of the skills of graphic communication through the generation of construction drawings. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 96, and grade of C or better or concurrent enrollment in ARCHITC 172, or consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 204**

**Construction II**

Study of the materials and methods of building construction. Emphasis on architecture having assemblies of masonry, concrete, steel and mass timber. Application of the skills of graphic communication through the generation of construction drawings. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 96, and grade of C or better or concurrent enrollment in ARCHITC 172, or consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 220**

**Portfolio Development**

Design and compilation of an architectural portfolio for employment and transfer. Preparation of materials that supplement the portfolio. Overview of interview protocols and processes. Writing assignment, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 123 and ARCHITC 171; and a grade of C or better or concurrent enrollment in ARCHITC 266, or consent of Department Chairperson.*

2 Laboratory hours. 1 Lecture hours. 2 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 230**

**Structural Fundamentals**

An introduction to the concepts and design of structural systems in architectural applications. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better or concurrent enrollment in ARCHITC 204; Grade of C or better in PHYSICS 221; or Consent of Department Chairperson.*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** HW, WR

**Architecture (ARCHITC) 266**

**Architectural Design II**

Continuation of Architecture 166. Emphasis on mid-size commercial and institutional building types in urban contexts. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in ARCHITC 166, or Consent of Department Chairperson.*

4 Laboratory hours. 2 Lecture hours. 4 Credit Hours.

**Offered At:** HW, WR