
COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

ARC ARCHITECTURE

ARC-111 **Intro to Arch Technology** **3 (1-6)** **Fall**

Prerequisites: None

Corequisites: None

This course introduces basic architectural drafting techniques, lettering, use of architectural and engineer scales, and sketching. Topics include orthographic, axonometric, and oblique drawing techniques using architectural plans, elevations, sections, and details reprographic techniques and other related topics. Upon completion, students should be able to prepare and print scaled drawings within minimum architectural standards.(1997 SU)

ARC-112 **Constr Matls & Methods** **4 (3-2)** **Fall**

Prerequisites: None

Corequisites: ARC-111^L

This course introduces construction materials and methodologies. Topics include construction terminology, traditional and alternative materials and their properties, manufacturing processes, construction techniques, and other related topics. Upon completion, students should be able to detail construction assemblies and identify construction materials and properties.(2013 FA)

ARC-114 **Architectural CAD** **2 (1-3)** **Spring**

Prerequisites: None

Corequisites: None

This course introduces basic architectural CAD techniques. Topics include basic commands and system hardware and software. Upon completion, students should be able to prepare and plot architectural drawings to scale within accepted architectural standards.(1998 FA)

ARC-211 **Light Constr Technology** **3 (1-6)** **Fall**

Prerequisites: ARC-111^S

Corequisites: ARC-112^S

This course covers working drawings for light construction. Topics include plans, elevations, sections, and details; schedules; and other related topics. Upon completion, students should be able to prepare a set of working drawings which are within accepted architectural standards(1997SU)

ARC-213 **Design Project** **4 (2-6)** **Spring**

Prerequisites: ARC-111^S, ARC-112^S, ARC-114^S

Corequisites: None

This course provides the opportunity to design and prepare a set of contract documents within an architectural setting. Topics include schematic design, design development, construction documents, and other related topics. Upon completion, students should be able to prepare a set of commercial contract documents.(1998 FA)

ARC-230 Environmental Systems**4 (3-3) Spring****Prerequisites:** ARC-111^S; MAT-121^S or MAT-171^S**Corequisites:** None

This course introduces plumbing, mechanical (HVAC), and electrical systems for the architectural environment. Topics include basic plumbing, mechanical, and electrical systems for residential and/or commercial buildings with an introduction to selected code requirements. Upon completion, students should be able to develop schematic drawings for plumbing, mechanical, and electrical systems and perform related calculations.(2014 FA)