
COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

ARCHITECTURAL CAD

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

Prerequisites:

Corequisites:

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)

CONSTR MATLS & METHODS

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

Prerequisites:

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)

ENVIRONMENTAL SYSTEMS

ARC-230 **Environmental Systems** **4 (3-3)** **Spring**

Prerequisites:

Corequisites:

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. (2025 SP)

INTRO TO ARCH TECHNOLOGY

ARC-111 **Intro to Arch Technology** **3 (1-4)** **Fall**

Prerequisites:

Corequisites:

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. (2025 FA)