

ARET 202C : Architectural Design Studio II

Emphasis is placed on an architectural design solution for a multi-story addition to existing buildings and preparation of construction documents for an institutional building. The student will study a multistory steel- or concrete-framed and masonry-enclosed structure. Floor plans, elevations, sections, and details using materials typically used in construction today are sketched to scale and produced by computer-aided design (CAD) AutoDesk software. Lectures relating to the basics of circulation, egress requirements, structural steel framing, masonry, codes, metal pan stairs, barrier-free design, handicap code requirements, fire protection, acoustics, glazing, curtain-wall systems, roofing and building energy conservation, and sustainable strategies supplement studio work. Students will study sustainable strategies and energy utilization through the use of energy-modeling software.

Credits 3

Lab/Practicum/Clinical Hours 2

Lecture Hours 2

Prerequisite Courses

ARET 103C

ARET 104C

Co-Requisite Courses

CVET 240C