

# CVET 235C : Reinforced Concrete Design

Learn the fundamentals of design and analysis of steel reinforced concrete structures including beams, floor and roof slab systems, columns, foundation footings, and structural walls. Design sketches based on calculations and in accordance with the latest American Concrete Institute (ACI) building code requirements are prepared. Also a major lab project including designing, building, and testing a reinforced concrete beam is done by student teams.

**Credits** 3

**Lab/Practicum/Clinical Hours** 3

**Lecture Hours** 2

**Prerequisite Courses**

CVET 240C