

# M E 422: Structural Design I MECHANICAL ENGINEERING

Design of steel and concrete structural members according to ACI and AISC LRFD specifications; reinforced concrete and rolled steel sections subject to axial force, flexure, shear, torsion, and combined loading; fatigue and fracture; introduction to connections.

3 Credits

### **Prerequisites**

• Pre-Requisite: 24 Earned Hours

## One-way corequisites

• M E 421: Structural Analysis

#### **Cross-listed Courses**

• C E 412: Design of Concrete Structures

#### Subject Areas

- Mechanical Engineering
- Civil Engineering, General

