

## **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](#)

