

# 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**

• <u>C E 412: Design of Concrete Structures</u>

#### **Subject Areas**

- Mechanical Engineering
- Civil Engineering, General

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