

# 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**

• <u>M E 421: Structural Analysis</u>

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

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

## **Subject Areas**

- <u>Mechanical Engineering</u>
- Civil Engineering, General

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