

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](#)

