

# ARET 150C : Statics and Strength of Materials

A study of forces and the effect of forces on structural members in a state of equilibrium. It is the study of internal stresses and deformations that result when structural members are subjected to external forces through loading. While lectures and some labs deal mainly with the theory of force analysis and force systems solutions, lab projects involve the application of various stress and strain measuring instruments on many materials used in construction.

**Credits** 4

**Lab/Practicum/Clinical Hours** 2

**Lecture Hours** 3

**Prerequisite Courses**

MATH 124C

PHYS 133C