# CIEG 202: Statics

Introduction to vectors, pseudo-graphical and analytical micro-computer aided resolution and composition of forces, equilibrium of collinear, concurrent, and non-concurrent two and three dimensional force systems, as applied to particles and rigid bodies. Coulomb friction, Hooke's law, introductory application of equilibrium, compatibility, and constitutive relations in the determination of forces moments, displacements and rotations of simple deformable bodies and biomechanical systems, using simple computer aids.
**Credits:** 3
**Prerequisites/Permissions:**
MATH 157; PHYS 013.
**Program:**

## Civil Engineering

## COURSE DESCRIPTIONS