

ENGINEERING (ENGR)

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ENGR 203 Mechanics of Materials 5 Credits

Introduces elasticity, normal and shearing stresses and strains, bending moments, torsion, compound stress, and deflection.

Prerequisite: Prerequisite: ENGR& 214

Distribution Requirements: Specified Electives

ENGR 204 Mechanics of Materials Laboratory 2 Credits

Introduces experimental techniques for measuring stresses and strains associated with the compression, tension, bending, and torsion in structural members.

Prerequisite: Prerequisite: ENGR 203 or concurrent enrollment in ENGR 203.

Distribution Requirements: Specified Electives

Engineering (CCN) (ENGR&)

ENGR 214 Statics 5 Credits

Introduces the concepts of center of mass, force systems, vector resultants, and static equilibrium.

Prerequisite: Prerequisites: MATH& 151 and PHYS& 221.

Distribution Requirements: Specified Electives

ENGR 215 Dynamics 5 Credits

Covers the kinematics of particles, systems of particles, and rigid bodies.

Prerequisite: Prerequisite: ENGR& 214

Distribution Requirements: Specified Electives