

# ENGINEERING (ENGR)

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## Engineering (ENGR)

### **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