

## **MECHANICAL ENGINEERING MINOR**

### **REQUIREMENTS FOR THE MINOR:**

Students must fulfill the following requirements for a Minor in Mechanical Engineering:

#### **Lower Division Requirements:**

- COEN 44 – Applied Programming
- CENG 41 – Mechanics I: Statics
- ELEN 50 – Electric Circuits I
- MECH 10 – Graphic Communications in Design

#### **Lower Division Electives** (Choose two):

- MECH 11 – Materials and Manufacturing Processes
- MECH 140 – Dynamics
- CENG 43 – Mechanics III: Strength of Materials
- MECH 15 – Introduction to Materials Science

#### **Upper Division Requirement:**

- MECH 121 – Thermodynamics I

#### **Technical Sequence** (Choose one two-course sequence):

- MECH 122 – Fluid Mechanics I **and** MECH 132 – Fluid Mechanics II
- MECH 122 – Fluid Mechanics I **and** MECH 123 – Heat Transfer
- MECH 114 – Machine Design I **and** MECH 115 – Machine Design II
- MECH 141 – Mechanical Vibrations **and** MECH 142 – Control System, Analysis, and Design

Please be aware of the pre-requisites for the technical sequence courses; this may influence your choice of lower division courses.

#### **Potential Selections:**

**MECH 121 and . . .**

IF you wish to take . . .	THEN take these first . . .
MECH 122 and 132	MECH 140 and (11 or 15)
MECH 122 and 123	MECH 140 and (11 or 15)
MECH 114/114L and 115	MECH 11 and CENG 43
MECH 141 and 142	MECH 140 and (11 or 15)