

# **Mechatronics Engineering Minor**

## **Program Description**

This program provides an opportunity for students outside the Department of Mechatronics Engineering to learn robotics and mechatronics courses which add value to their education by obtaining skills that are directly and immediately relevant to employers. The proposed minor program provides an opportunity for Kennesaw State University students to systematically take robotics and mechatronics courses and enhance their background and abilities to find a job in the engineering field.



This program is a part of the Southern Polytechnic College of Engineering and Engineering Technology.

## **Admission, Enrollment, and Graduation Policies**

### Admission Requirements

This program does not have specific admission requirements and only admission to Kennesaw State University is required. For more information, please see the Admissions section of the catalog.

### Enrollment Requirements

Upper division engineering courses require Engineering Standing.

### Graduation Requirements

Each student is expected to meet the requirements outlined in the Academic Policies: 5.0 PROGRAM REQUIREMENTS & GRADUATION.

## **Program Course Requirements**

### **Required Courses (7 Credit Hours)**

- CSE 1321: Programming and Problem Solving I
- CSE 1321L: Programming and Problem Solving I Laboratory
- MTRE 2710: Intermediate Programming for Mechatronics
- MTRE 2710L: Intermediate Programming for Mechatronics Laboratory

### **Control Systems Requirement (4 Credit Hours)**

Choose from one of the following 4 credit selections:

- MTRE 3610: Modeling and Feedback Control of Dynamic Systems
- MTRE 3610L: Modeling and Feedback Control of Dynamic Systems Laboratory
- or
- EE 4201: Control Systems
- or
- ME 3501: Dynamic Systems & Control Theory
- ME 4501: Vibrations & Controls Lab

**Elective Courses (4 Credit Hours)**

Any four additional credits from 3000- or 4000-level MTRE courses

**Program Total: (15 Credit Hours)**