

# Mechatronics and Robotics Systems

## Associate in Applied Science Degree

### Why Mechatronics and Robotics Systems?

Mechatronics is an interdisciplinary field involving mechanical, electronic, computer, robotic, and control systems. In this program, students will gain the technical knowledge and skills needed to install, repair and maintain electromechanical, fluid power, process control or robotic systems. Students will have the opportunity to do hands-on learning in a grant-funded equipment lab where they will work on models of a multi-stage assembly line. Eligible students can also complete a Co-op or Internship in the area of Mechatronics and Robotics Systems to gain real-world experience that can benefit them in future careers.

### Why Bay College?

The [Mechatronics program](#) at Bay College provides students with the basic principles and skills to install, maintain, troubleshoot, and repair mechatronic systems. Courses taken will cover the fundamentals of robotics, fluid power, basic machine tool operation, electrical motors, motor control systems and programmable logic controllers. Students will also work on models of a multi-stage assembly line, including building to print, configuring the hardware, and programming the operation.

### Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Electrical Engineering Technician**
- **Electronics Engineering Technician**
- **Robotics Technician**
- **Industrial Engineering Technologist**

### Contact

#### Bay College

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[baycollege.edu](http://baycollege.edu)