

MECHATRONICS ENGINEERING TECHNOLOGY

Enrollment into this program will open for applications starting Spring 2023.

LIMITED ENROLLMENT

Delivery Method: On Campus, some courses available online

Program Description

The Mechatronics Engineering Technology (MET) program is an interdisciplinary technical branch of engineering that focuses on electrical and mechanical systems combining electronics, programming, communications, systems, control, and product engineering.

This degree prepares graduates to work with smart devices that incorporate mechanical, electrical, computer and software components, such as robots, automated guided systems, and computer-integrated manufacturing equipment. As industry advances and the complexity of technical systems continues to evolve, there is a need for qualified individuals to design and develop components and parts to produce safe and efficient automated equipment.

With an emphasis on hands-on learning, courses are both classroom and lab-based. Students gain real-world technical skills in state-of-the-art labs. In addition, students are required to complete cooperative education experiences where they work in an industry setting. Students gain valuable real-world experience and begin building their professional network.

Preparation

Students might consider high school courses in robotics, computers, mathematics, and electronics to assist them in college study. However, these courses are not mandatory for success.

Students may prepare for the BAS MET degree by completing BSC's Associate in Applied Science (AAS) degree in Industrial Automation or an associate in applied science degree, certificate, or diploma in an approved and related program from a regionally accredited institution. Previous college coursework, along with industry experience and/or military training, may be considered to determine eligibility.

Program Requirements

Students who complete the curriculum requirements can earn a Bachelor of Applied Science degree in Mechatronics Engineering Technology.

Career Opportunities

Graduates are prepared for careers in the robotics and automation areas directly related to process control, electronic instrumentation, testing, manufacturing, sales and service. Typical engineering technologists' duties may include analysis and design of process control equipment, laboratory testing services, product sales and service, applications engineering, and the development of systems that require a hardware/software interface.

Contact

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Degree Plans

- Mechatronics Engineering Technology Bachelor of Applied Science