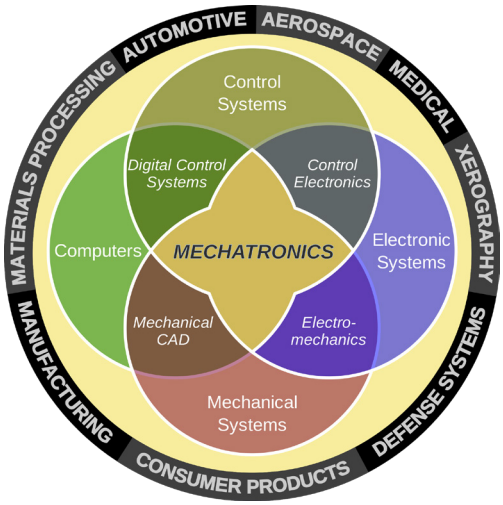
Clark College
EST. 1933

Mechatronics Technology

What is Mechatronics Technology?

This growing technical field of study deals with the integration of mechanical and electronic components managed by a control system. Mechatronics technicians troubleshoot, maintain and repair mechanical equipment controlled by electrical, electronic and computer systems. The systems are increasingly used in a wide variety of manufacturing and related technical applications such as high technology.



Clark College's Mechatronics Technology (MTX) classes emphasize current concepts and technology by providing practical, hands-on experiences with the latest, industry standard equipment.

In Clark College's mechatronics classes, you will receive 'real world', state-approved technical instruction from an experienced instructor for the following types of manufacturing systems:

- Process Control Systems
- Instrumentation/Automation Systems
- Conveyor Systems
- Palletizer Systems
- Robotic Systems

Our first-year courses are taught within a protected environment while maintaining the integrity of the component characteristic.

Our second-year courses concentrate on troubleshooting and process improvement.

Successful mechatronics technicians require comprehensive reading and mathematics skills as well as the ability to think analytically about interrelated systems. Mechatronics technicians perform a wide variety of tasks.

Typical activities are the following:

- Evaluate electro-mechanical systems for proper operation
- Troubleshoot and repair systems
- Communicate with other technical members on a team
- Use a wide assortment of test equipment
- Program devices and use these devices to service other programs
- Calibrate instrumentation and test equipment
- Install and maintain industrial controls

The program is designed to provide personalized, small-class course work at our facility at Clark College at Columbia Tech Center (CTC).

Clark College
Columbia Tech Center

18700 East Mill Plain Boulevard
Vancouver, WA 98683

www.clark.edu/academics/programs/mechatronics