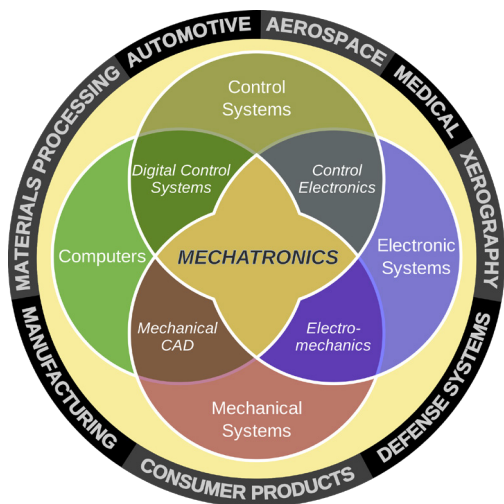




MECHATRONIC Engineering

WHAT IS MECHATRONICS Engineering?

This growing technical field of study deals with the integration of mechanical, electrical, electronic and computer systems. 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 automotive, aerospace, medical, consumer products and defense systems.



Kipsoen Technical and Vocational College Mechatronics Engineering classes emphasize current concepts and technology by providing practical, hands-on experiences with the latest, industry standard equipment.

In our mechatronics classes, you will receive 'real world', state-approved technical instruction from our experienced trainers for but not limited to the following types of manufacturing systems and processes:

- Process Control Systems
- Instrumentation/Automation Systems
- Conveyor Systems
- Machining and fabrication
- Hydraulic & Pneumatic Systems
- Robotic Systems

Our CBET course 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 mechatronic systems
- Communicate with other technical members on a team
- Use a wide assortment of test equipment
- Program mechatronic systems
- Calibrate instrumentation and test equipment
- Install and maintain Mechatronic Systems

MECHATRONICS

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