

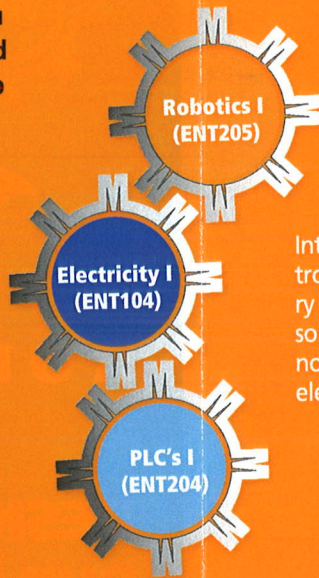
MECHATRONICS

DESIGN + BUILD + CREATE YOUR FUTURE

Mechatronics gives you coursework in mechanics, electronics, and controls. Knowledge in these areas prepare you to work within the product design and manufacturing field and also opens up opportunities for you in process improvement and/or optimization positions at businesses in and around the Chicagoland area!

Job opportunity titles include:

- Testing Technician
- Maintenance Technician
- Electrical Design Engineer
- Automation Engineer
- Controls Engineer
- Project Engineer
- Production Supervisor



Move forward with courses toward your Mechatronics Certificate Courses that include:

Introductory course to robotics, including applications, assembly, and programming (using LabView for Lego NXT). Includes sensors, motors, drive configurations, software tools, and visual interface.

Introduction to the basics of electricity and electronics, up to PLC's. Topics include both the theory and application of DC and AC electric motors, soldering/desoldering, wiring, wire diagrams, nomenclature, assembly and disassembly of electromechanical systems, such as robots.

Introduction to the principles of Programmable Logic Controllers (PLCs) and their application in industrial controls. Topics covered are PLC hardware, number systems and codes, logic, PLC programming, wiring and ladder diagrams, programming timers, programming counters and sensors.

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