

Mechatronics Basics

Short-term technical diploma

What is Mechatronics?

Control Systems • Electronic Systems • Mechanical Systems • Computers

Mechatronics is defined as the combination of mechanics, electronics, computer technologies, sensors, robots, controls, hydraulics, and pneumatics. It is used in the development, maintenance, and design of high-tech, efficient machines and products, and also used in automated processes for manufacturing and industrial tasks.

Wisconsin Indianhead Technical College (WITC) provides the Mechatronics Basics training program for those looking to get a start in the manufacturing industry or advance their careers.

WITC Program Features

- State of the art equipment
- Nationally accredited curriculum
- Develop skills to repair, install, and maintain industrial production and processing machinery
- Hands-on instruction by expert professionals with years of industry experience

Industry Credentials

Following course completion, students are eligible to take the Association of Packaging and Processing Technologies (PMMI) Mechatronics Certification, Level 1 online exams. PMMI credentials include Industrial Electricity 1, Fluid Power 1, Programmable Logic Controllers 1, and Mechanical Components 1. These certification exams are recognized by the U.S. Department of Labor and the Manufacturing Institute's Skills Certification System.

Career Outlook

Typical positions available after graduation include:

- Entry Level Electro-Mechanical Assembler
- Maintenance Technician
- Manufacturing Customer Service

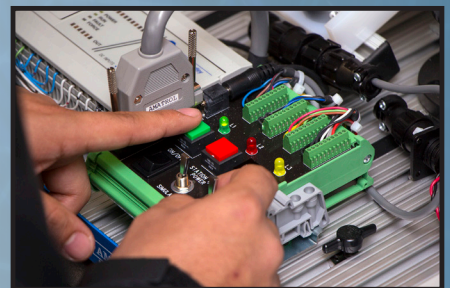
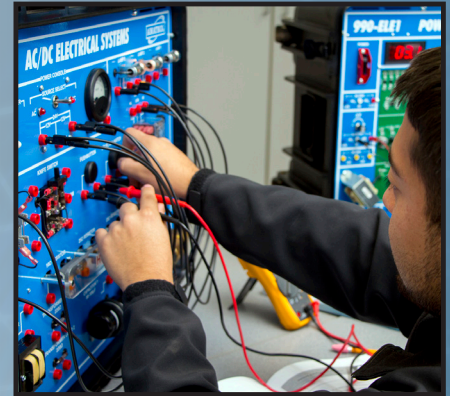
Potential starting wages: \$29,140-\$37,370 annually.*

*Data from Wisconsin's Worknet, June 2016

Register today!

For details go to witc.edu/mechatronicsbasics.

For more information or to register, call Student Services at 800.243.9482, ext 5045.



Experience. Success.



witc.edu/mechatronicsbasics

Mechatronics Basics - Spring 2018

Dates: January 23 - May 17, 2018

WITC-Rice Lake campus

Courses Offered:

- DC Electricity 3 credits
- AC Electricity 3 credits
- Fluid Power Systems 3 credits
- Power Transmission Componentry 2 credits



Flex Lab Delivery:

- Tuesdays 3:00 p.m. to 8:30 p.m.
- Thursdays 9:00 a.m. to 3:00 p.m.

Instructor in the classroom during scheduled times to work with students on course competencies, answer questions, administer labs and assessments.

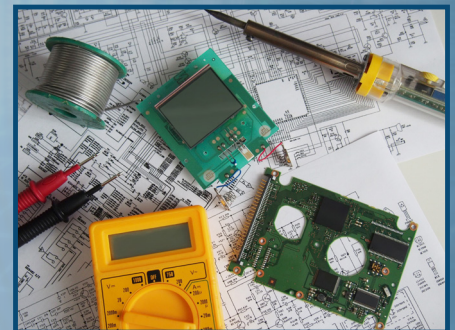
Students choose days & hours that works best for their schedule



Mechatronics Basics Program Full Curriculum

DC Electricity	3 credits
AC Electricity	3 credits
General Safety	1 credit
Fluid Power Systems	3 credits
Packaging Systems Equipment Control	3 credits
Power Transmission Componentry	<u>2 credits</u>

TOTAL 15 CREDITS



Program Details

Full program cost: \$2,211.50; Books \$918.50 (estimate)

All 15 credits of the Mechatronics Basic Embedded Technical Diploma program will transfer into the Automated Packaging Systems Technician Two-Year Technical Diploma.

WITC academic support services are available.



For details go to witc.edu/pgmpages/mechatronics/curriculum.

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A nationally top-ranked college and a designated 2016 Military Friendly® School, WITC serves the educational and career needs of more than 25,000 residents of Northwestern Wisconsin each year. With multiple campuses, WITC offers career-focused associate degree programs, technical diplomas, short-term certificates, customized business training, and a wide array of courses for personal or career enrichment. WITC is a member of Wisconsin Technical College System and is accredited by the Higher Learning Commission (www.ncahlc.org). For more information, call 800.243.WITC or visit witc.edu.

WITC is an Equal Opportunity/Access/Affirmative Action/Veterans/Disability Employer and Educator.