



MECHATRONICS

MANUFACTURING & TRANSPORTATION CAREER PATHWAY



PREPARE FOR AN IN-DEMAND CAREER IN ADVANCED MANUFACTURING.

Advanced manufacturing companies in Hampton Roads need skilled workers to run and maintain complex machines, robots and control systems. In two years or less you can earn a mechatronics degree from Tidewater Community College that prepares you for immediate employment in one of these fast growing, high-wage jobs.

TCC's mechatronics program will teach you how to operate, maintain and repair "smart" devices and systems that incorporate sensors, actuators, instrumentation, process control and automation.

The curriculum is industry-vetted with state-of-the-art mechatronics laboratories that provide you with up-to-date training, along with real-world experiences that prepare you for a career in advanced manufacturing.

PROGRAMS

ASSOCIATE OF APPLIED SCIENCE IN MECHATRONICS

Complete in as few as 4 semesters / 66 credits

Ready yourself for the high-tech work environments of advanced manufacturing, shipyards and factories with hands-on training for the in-demand field of mechatronics, which combines electricity, electronics, robotics, mechanics, instrumentation, process control and industrial automation.

CAREER STUDIES CERTIFICATE IN MECHATRONICS TRAINEE

Complete in as few as 2 semesters / 20 credits

Get the skills you need for an entry-level repair technician position in an advanced manufacturing facility while demonstrating safe work habits related to electrical, mechanical, and industrial repair.

CAREER STUDIES CERTIFICATE IN MECHATRONICS TECHNICIAN

Complete in as few as 2 semesters / 19 credits

Learn what it takes to identify the cause of malfunctions and perform maintenance on mechanical, electrical, and control systems with proficiency in an advanced manufacturing or industrial automation facility.



TCC FAST FACT

TCC's Mechatronics program has been accredited by the National Institute for Metal Working Skills (NIMS).

POSSIBLE CAREER PATHS

Mechatronics graduates are prepared to work with electrical and mechanical engineers to design, construct, install and maintain mechatronic systems as:

- Electromechanical controls technicians
- Mechatronics technicians

IS THIS PROGRAM FOR YOU?

Yes, if you:

- enjoy working with your hands
- want to know what makes things work
- are interested in electricity, electronics, robotics and mechanical concepts

PROGRAM AVAILABILITY

- Chesapeake

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TIDEWATER COMMUNITY COLLEGE
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