



# GET STARTED ON AN IN-DEMAND CAREER.

## DANA MECHATRONICS CONTROLS CERTIFICATE

Mechatronics Controls is a multi-disciplinary program incorporating mechanical systems, electronics, and automation and control theory for the design of products and control processes. It relates to the design of systems, devices and products aimed at achieving an optimal balance between basic mechanical structure and its overall control.

Mechatronics technicians use a combination of mechanical, electrical, and computer software skills to work with industrial and smart technology applications, such as robots, automated systems, and computer-integrated manufacturing equipment.

### JOB OPPORTUNITIES

Sample of career fields and choices include:

- Robotics engineer/technician
- Automation technician
- Control system design/troubleshooting
- Maintenance/mechanical technician
- Instrumentation technician
- Process control specialist

### LOCATIONS

Findlay-area Campus  
Toledo-area Campus

### SALARY

The average salary for a mechatronics technician in the Toledo, Ohio area is \$60,000\*.

\* <https://www.onetonline.org/link/localwages/17-3024.00?zip=43699&g=Go>

### REQUIRED COURSES

#### 1ST SEMESTER

ENV 115	OSHA 30 hour Const Safety	Credits: 3(Lec: 3)
SKT 157	Plant Equipment: Gear/Bearings	Credits: 3(Lec: 2 Lab: 2)
MTH 133	Quantitative Reasoning *	Credits: 3(Lec: 3 Lab: 1)
SKT 131	Electrical Prints	Credits: 3(Lec: 3)

#### 2ND SEMESTER

SKT 132	Electrical Prints: Controls	Credits: 3(Lec: 3)
SKT 171	Electricity: DC Principles	Credits: 3(Lec: 3)
SKT 181	Motor Control Systems: I	Credits: 2(Lec: 1.50 Lab: 1.50)
SKT 174	Electricity: AC Principles	Credits: 3(Lec: 3)
MET 150	Introduction to Industrial Robotics	Credits: 2(Lec: 1 Lab: 3)

#### 3RD SEMESTER

EET 165	Automation Control: PLC I	Credits: 2(Lec: 1.50 Lab: 1.50)
SKT 281	Electronics: Princ/Applicat	Credits: 3(Lec: 2 Lab: 3)
SKT 182	Motor Control Systems: II	Credits: 2(Lec: 1.50 Lab: 1.50)

#### 4TH SEMESTER

EET 166	Automation Control: PLC II	Credits: 2(Lec: 1.50 Lab: 1.50)
SKT 254	Motor Control/Syst: Adv	Credits: 2(Lec: 2)

\*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at [www.ohiohighered.org/transfer/transferrmodule](http://www.ohiohighered.org/transfer/transferrmodule)

OWENS.EDU

### Office of Admissions

Toledo-area Campus - (567) 661-7777  
Findlay-area Campus - (567) 429-3509

Department of Skilled Trades and  
Apprenticeship Programs  
(567) 661-7169



OWENS  
COMMUNITY COLLEGE