Northwest State Community College

ELECTRO-MECHANICAL ENGINEERING TECHNOLOGY

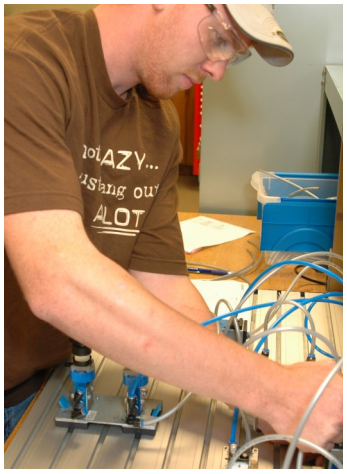
Associate of Applied Science in Electro-Mechanical Engineering Technology

This program combines foundational curriculum from the Mechanical Engineering Technology and Electrical Engineering Technology programs. Graduates from this program will gain a solid foundation in the principles of mechanics, mechanical systems, electrical concepts, and electronics through comprehensive curriculum and laboratory experiences.

Career Outlook

The demand for technicians and engineering technologists remains high, with two of the main areas of interest in mechanical and electrical. While positions have historically been described as either mechanical or electrical, today many companies are looking for mechanical engineering technologists with some electrical background or electrical with some mechanical aptitude. Companies are looking for individuals with both mechanical and electrical skills.

This has also been recognized by universities, who now offer Bachelor of Science degrees in electro-mechanical engineering technology. Graduates of this program will have the foundational coursework leading into four year mechanical and/or electrical engineering technology programs at various universities, including a direct transfer into the Miami University degree completion program, as well as being qualified for entry-level engineering technicians in product design, engineering support, and other technical support positions.

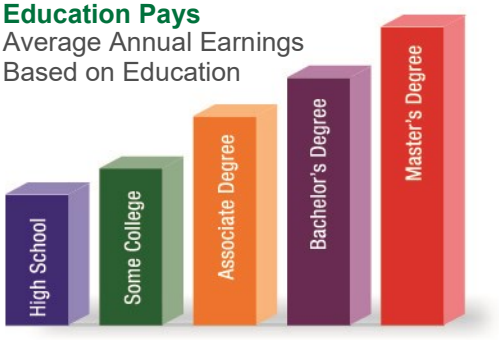


STEM and Industrial Technology Division

Ryan Hamilton
Dean

Questions:
NSCC Admissions Office
(419) 267-1320
admissions@NorthwestState.edu

Education Pays
Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

www.NorthwestState.edu

2019-2020

NSCC is accredited by:
The Higher Learning Commission
(312) 263-0456
www.ncahigherlearningcommission.org

PROGRAM SEQUENCE

Northwest State Community College

First Semester		Credits
ENG111	Composition I	3
MTH109	College Algebra	3
MET100	Introduction to Engineering Technology	2
+MET107	Engineering Graphics	3
+EET121	DC Circuits	3
		14

Second Semester		Credits
ENG210	Technical Communications	3
MTH112	Trigonometry	3
PHY251	Physics: Mechanics & Heat	4
+MET121	Manufacturing Processes	3
+EET122	AC Circuits	3
		16

Third Semester		Credits
+MET235	Statics	3
+MET234	Strengths of Materials	3
+EET231	Microprocessors	4
ENG113	Speech	3
	Social/Behavioral Science Elective	3
		16

Fourth Semester		Credits
+EET221	Digital Electronics	4
+CAD213	CAD III	4
+CET115	Project Management or	
+QCT100	Quality Concepts	3
	Natural Science Elective	3
	Humanities Elective	3
		17

Total Program Credit Hours **63**

+ Students must attain a minimum grade of “C” in all courses with a ‘+’ to progress in the program and to graduate.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information.

Updated 2/10/20