

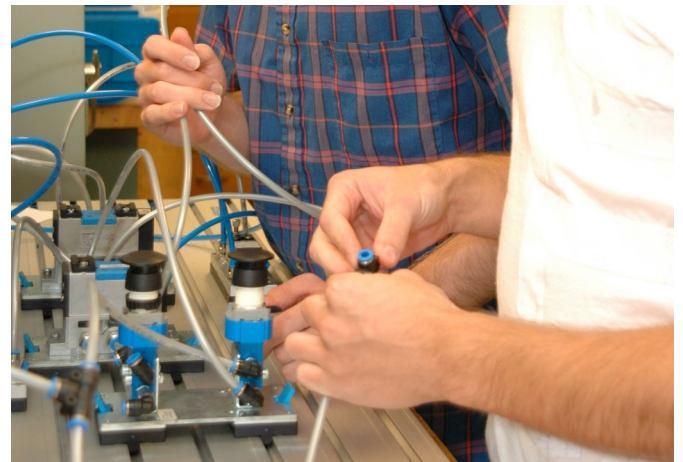
Maintenance Technician/Mechatronics Associate of Science

The industrial maintenance technician not only troubleshoots and repairs the most highly advanced industrial equipment, but is responsible for the layout and installation. This individual will be versed in electrical, hydraulics, pneumatics, pipefitting, welding, machine repair, and installation as well as motor control systems, PLC control systems and instrumentation control networking.



Career Outlook

Employers trying to stay competitive with an international marketplace are hard pressed to find multi-crafted maintenance employees who can accomplish a multitude of vocational qualities (electrician, plumber, pipefitter, hydraulics and pneumatics specialists, HVACR, machine set-up, machine installer, welder, systems troubleshooter and control systems programming). This program will provide those employers with such a skilled professional.



Industrial Technologies Division



Ronald Scozzari, B.S., M.S.
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Questions:

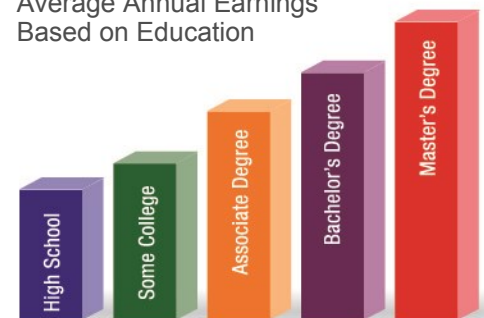
NSCC Admissions Office
(419) 267-1320
admissions@NorthwestState.edu

www.NorthwestState.edu

2016-2017

Education Pays

Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

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

PROGRAM SEQUENCE

First Semester		Credits
ENG111	Composition I	3
IND105	Industrial Safety	2
IND110*	Industrial Computing I	3
+IND120	Industrial Electricity I	3
+IND132	Benchwork	2
MTH109	College Algebra	3
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		16

Second Semester		Credits
ENG112	Composition II	3
IND103	Applied Geometry and Trig	3
+IND121	Industrial Electricity II	3
+IND107	Blue Print Reading and Sketching	3
	Humanities Elective	3
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		15

Third Semester		Credits
+IND134	Industrial Fluid Power I	3
+IND223	Motors and Motor Controls	3
+IND232	Machine Repair	3
+PLC200	Programmable Controller I	3
	Natural Science Elective	3
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		15

Fourth Semester		Credits
+IND221	Instrumentation and Controls I	3
+IND234	Industrial Fluid Power II	3
+PLC230	Servo/Robotic Systems	3
	Natural Science Elective (with Lab)	4
	Social/Behavioral Science Elective	3
		<hr/>
		16

Total Program Credit Hours **62**

* Prior to taking IND110, students should have basic computer literacy in Windows, and at least one Windows application.

+ Refers to technical coursework. Students must attain a minimum grade of "C" in these technical courses to progress in the program and to graduate.