

PROGRAMS AVAILABLE AT VANTAGE CAREER CENTER

Industrial Automation Maintenance Short-Term Technical Certificate

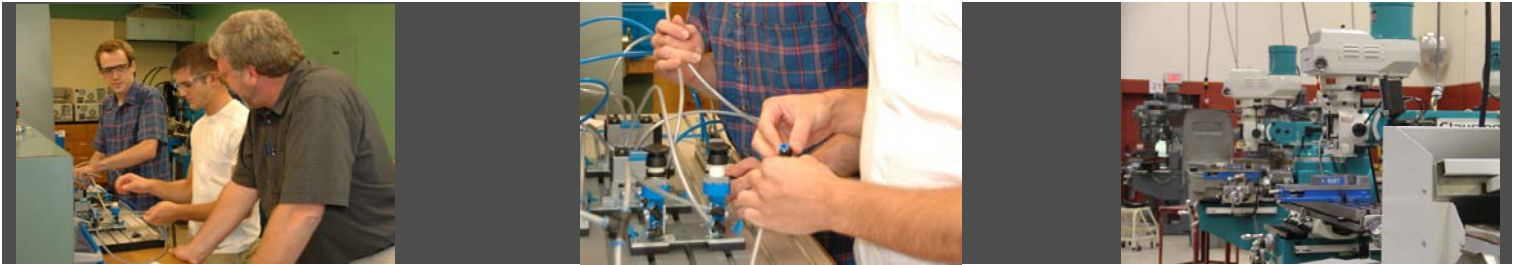
Duration: 2 semesters
Schedule: Monday through Thursday, times vary. 5pm-10pm
Begins: TBA

The NSCC Industrial Automation Maintenance program held at Vantage Career Center campus focuses on the maintenance of electrical, mechanical and fluid power equipment. Students of this program will develop their skills in maintenance and troubleshooting of electrical, pneumatic, mechanical, programmable logic controllers, variable frequency drives and more. All classes will be offered in *Hybrid format (with the exception of Welding). This 29-credit hour program is eligible for federal financial aid.

CNC Operations Short-Term Technical Certificate

Duration: 3 semesters
Schedule: Monday through Thursday, times vary. 5pm-10pm
Begins: 1/9/17

The NSCC Computer Numerical Control (CNC) Operations program held at Vantage Career Center campus focuses on the operation and setup of production CNC equipment. Students in this program will develop their skills in machining processes, including operation of the drill press, lathe, and vertical and horizontal milling machine, surface grinder, CNC vertical machining center and turning center. Students learn the basics of transforming raw material into finished parts in a production environment. Some *Hybrid classes will be offered. This 29-credit hour program is eligible for federal financial aid.



Industrial Technologies Division



Ronald Scozzari, B.S., M.S.
Dean

Questions:

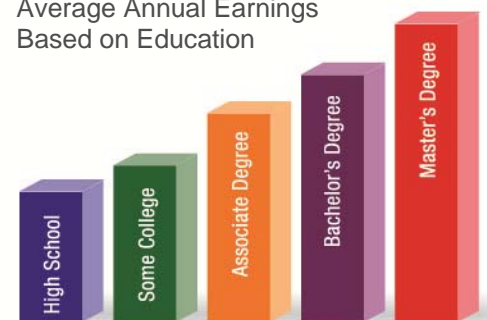
NSCC Admissions Office (419) 267-1320
admissions@NorthwestState.edu
NSCC at Vantage Office (419) 238-5411 ext. 2121

NorthwestState.edu/VanWert

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

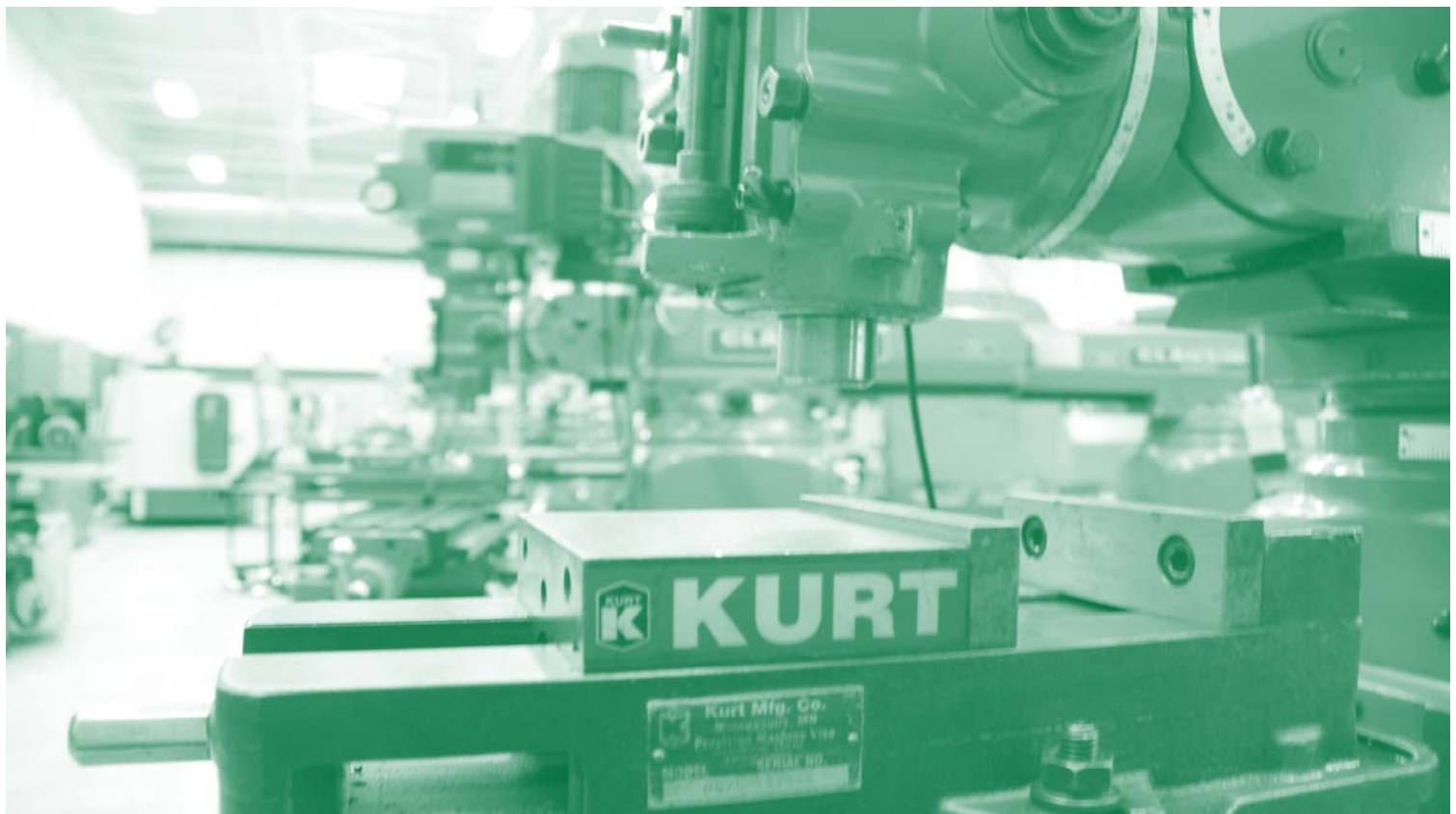
PROGRAM SEQUENCE

Industrial Automation Maintenance Short-Term Technical Certificate

First Semester		Credits
+IND120	Industrial Electricity I	3
+IND121	Industrial Electricity II	3
+WLD110	Introduction to Applied Welding Tech	3
+IND131	Industrial Pipefitting	3
+IND132	Benchwork	2
TOTAL CREDIT HOURS		14
Second Semester		Credits
+IND223	Motor & Motor Controls	3
+IND134	Industrial Fluid Power	3
+PLC200	Programmable Controller I	3
+PLC230	Servo/Robotic Systems	3
+IND232	Machine Repair	3
TOTAL CREDIT HOURS		15
TOTAL PROGRAM CREDIT HOURS		29

CNC Operations Short-Term Technical Certificate

First Semester		Credits
+IND103	Applied Geometry & Trig	3
+IND132	Benchwork	2
+RTI121	Print Reading & Sketching	3
+IND140	Principles of Machining	3
+IND240	Machining Processes II	3
TOTAL CREDIT HOURS		14
Second Semester		Credits
+IND241	Tooling & Fixtures	3
+RTI152	Programming CNC	3
+WLD110	Intro to Applied Welding Tech	3
+IND250	Capstone Projects (CNC Ops)	3
+RTI290	Engineering Tech Co-op/Internship	3
TOTAL CREDIT HOURS		15
TOTAL PROGRAM CREDIT HOURS		29



* **Hybrid Format:** Face-to-face “seat time” has been replaced by competency-based online learning activities. Student will attend designated lab times to demonstrate proficiency.

+ Refers to technical course work. Students must attain a minimum grade of “C” in these technical courses in order to progress in the program and graduate.

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