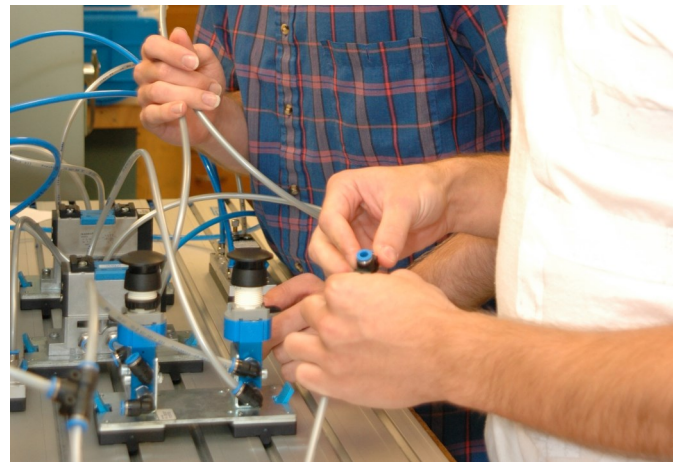# AUTOMATION
SHORT-TERM CERTIFICATE

Automation Short-Term Certificate

The Automation Short-Term Certificate program will give students a strong fundamental background in electrical basics and the usage of programmable logic controllers (PLCs) to control automated industrial processes. Students will get an introduction to FANUC robotics for industrial usage.

Course Delivery

This certificate is offered in a highly flexible model. Students complete one course at a time moving at their own pace. Each course is 1 credit hour and students have a maximum of 6 weeks to complete the course, but can complete sooner. Lectures are delivered online asynchronously. Labs are flexibly scheduled with the instructor and are available days, evenings, and Saturdays.

STEM and Industrial Technology Division
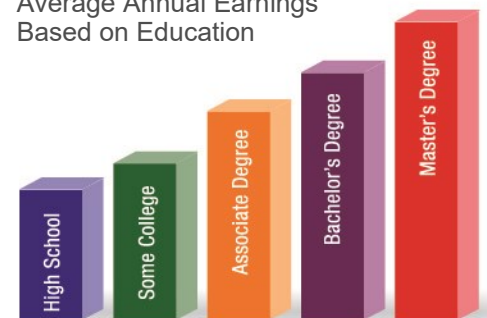
Franklin Roberts
Dean

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

www.NorthwestState.edu   **2022-2023**

Education Pays
Average Annual Earnings
Based on Education

High School | Some College | Associate Degree | Bachelor's Degree | Master's Degree

Based on data from the Bureau of Labor Statistics

PROGRAM SEQUENCE

Course		Credits
+INT110	Safety Equipment & Procedures	1
+INT111	Hazardous Materials & First Aid	1
+PLC120	Industrial Electricity IA	1
+PLC121	Industrial Electricity IB	1
+PLC122	Industrial Electricity IC	1
+PLC123	Industrial Electricity IIA	1
+PLC124	Industrial Electricity IIB	1
+PLC125	Industrial Electricity IIC	1
+PLC126	Programmable Logic Controllers IA	1
+PLC127	Programmable Logic Controllers IB	1
+PLC128	Programmable Logic Controllers IC	1
+PLC129	Programmable Logic Controllers IIA	1
+PLC130	Programmable Logic Controllers IIB	1
+PLC131	Programmable Logic Controllers IIC	1
+PLC132	Programmable Logic Controllers IIIA	1
+PLC133	Programmable Logic Controllers IIIB	1
+PLC134	Programmable Logic Controllers IIIC	1
+PLC135	Servo/Robotics A	1
+PLC136	Servo/Robotics B	1
+PLC137	Servo/Robotics C	1

Total Program Credit Hours   **20**