Northwest State Community College *Strengthening Community Colleges Training Grant*
Short-term Certificate Programs (updated 10.10.2022)

Computer Aided Manufacturing (CAM) Short-term Certificate

Existing Course @ NSCC			NEW SCC Cohort Course			Related Industry Credential*
IND 105	Industrial Safety	2 credit	INT 110	Safety Equipment & Procedures	1 credit	
			INT 111	Hazardous Materials & First Aid	1 credit	OSHA 10 Hour Safety
IND 107	Print Reading & Sketching	3 credit	INT 107	Print Reading & Sketching A	1 credit	
			INT 108	Print Reading & Sketching B	1credit	
			INT 109	Print Reading & Sketching C	1 credit	
IND 140	Principles of Machining	3 credit	INT 112	Principles of Machining A	1 credit	NIMS Jobs Planning and Benchwork Layout
			INT 113	Principles of Machining B	1 credit	
			INT 114	Principles of Machining C	1 credit	NIMS Milling I
CAD 213	CAD III Solidworks	4 credits	INT 115	Solidworks A	1 credit	
			INT 116	Solidworks B	1 credit	
			INT 117	Solidworks C	1 credit	
			INT 118	Solidworks D	1 credit	Certidied Solidworks Professional - Mechanical Design
MET 222	Programming CNC	3 credits	INT 121	Programming CNC A	1 credit	
			INT 122	Programming CNC B	1 credit	NIMS CNC Milling Programming Set up & Operations
			INT 123	Programming CNC C	1 credit	NIMS CNC Lathe Operations
MET 223	CAM I	4 credits	INT 124	CAM IA	1 credit	
			INT 125	CAM IB	1 credit	
			INT 126	CAM IC	1 credit	
			INT 127	CAM ID	1 credit	NIMS CAM Milling I

Automation Short-term Certificate

Existing Course @ NSCC			NEW SCC Cohort Course			Related Industry Credential*
IND 105	Industrial Safety	2 credit	INT 110	Safety Equipment & Procedures	1 credit	
			INT 111	Hazardous Materials & First Aid	1 credit	OSHA 10 Hour Safety
IND 120	Industrial Electricity I	3 credit	PLC 120	Industrial Electricity IA	1 credit	
			PLC 121	Industrial Electricity IB	1 credit	
			PLC 122	Industrial Electricity IC	1 credit	
IND 121	Industrial Electricity II	3 creidt	PLC 123	Industrial Electricity IIA	1 credit	
			PLC 124	Industrial Electricity IIB	1 credit	
			PLC 125	Industrial Electricity IIC	1 credit	
PLC 200	Programmbale Controller I	3 credit	PLC 126	PLC 1A	1 credit	
			PLC 127	PLC 1B	1 credit	
			PLC 128	PLC 1C	1 credit	
PLC 210	Programmable Controller II (AB)	3 credit	PLC 129	PLC IIA	1 credit	
			PLC 130	PLC IIB	1 credit	
			PLC 131	PLC IIC	1 credit	
PLC 220	PLC III	3 credit	PLC 132	PLC IIIA	1 credit	
			PLC 133	PLC IIIB	1 credit	
			PLC 134	PLC IIIC	1 credit	
PLC 230	Servo/Robotic Systems	3 credits	PLC 135	Servo/Robotics A	1 credit	
			PLC 136	Servo/Robotics B	1 credit	
			PLC 137	Servo/Robotics C	1 credit	FANUC Robotics Certification

*Related industry credentials are currently being developed, but are not completely integrated into the programs to date.