

# COMPUTER AIDED MANUFACTURING (CAM) SHORT-TERM CERTIFICATE

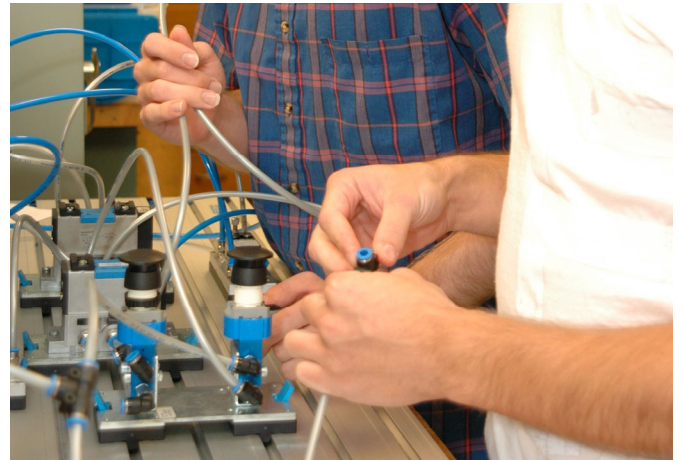
## Computer Aided Manufacturing (CAM) Short-Term Certificate

The CAM certificate provides students with strong foundation in the reading and creating of blue prints for manufacturing. This includes developing a foundation in computer aided design using Solidworks and the programming of Computer Numeric Controlled (CNC) machines for the precision fabrication of parts.



## 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



Ryan Hamilton  
Dean

### Questions:

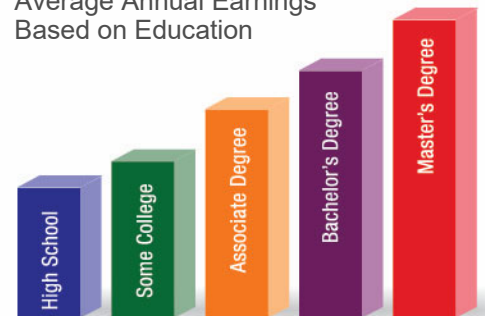
NSCC Admissions Office  
(419) 267-1320  
admissions@NorthwestState.edu

[www.NorthwestState.edu](http://www.NorthwestState.edu)

2021-2022

### 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](http://www.ncahigherlearningcommission.org)

# PROGRAM SEQUENCE

Course		Credits
+INT110	Safety Equipment & Procedures	1
+INT111	Hazardous Materials & First Aid	1
+INT107	Print Reading & Sketching A	1
+INT108	Print Reading & Sketching B	1
+INT109	Print Reading & Sketching C	1
+INT112	Principles of Machining A	1
+INT113	Principles of Machining B	1
+INT114	Principles of Machining C	1
+INT115	Solidworks A	1
+INT116	Solidworks B	1
+INT117	Solidworks C	1
+INT118	Solidworks D	1
+INT121	Programming CNC A	1
+INT122	Programming CNC B	1
+INT123	Programming CNC C	1
+INT124	CAM IA	1
+INT125	CAM IB	1
+INT126	CAM IC	1
+INT127	CAM ID	1
<b>Total Program Credit Hours</b>		<b>19</b>

Gainful employment information for NSCC's certificate programs can be found online at:  
<https://northweststate.edu/gedt/automation/>  
Gainful employment information includes: estimated cost of the program, average student loan debt