

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 eligible to be awarded one credit hour at a time. 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:

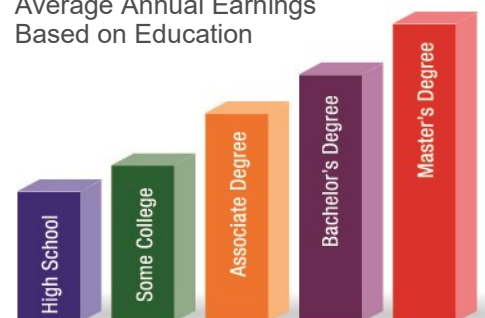
NSSC Admissions Office
(419) 267-1320
admissions@NorthwestState.edu

www.NorthwestState.edu

2023-2024

Education Pays

Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

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

PROGRAM SEQUENCE

| First Semester | | Credits |
|----------------|-----------------------------|-----------|
| +IND105 | Safety | 2 |
| +IND107 | Print Reading and Sketching | OR |
| +MET107 | Engineering Graphics | 3 |
| +IND140 | Principles of Machining | 3 |
| <hr/> | | 8 |

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

| Second Semester | | Credits |
|-----------------|-----------------|---------|
| +CAD213 | Solid Modeling | 4 |
| +MET222 | Programming CNC | 3 |
| +MET223 | CAM I | 4 |
| <hr/> | | 11 |

Total Program Credit Hours **19**

This Short-Term Certificate was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. These classes are either Web or FlexTrak to allow students to change their schedule week to week to work around their personal lives. The classes in this Strengthening Community Colleges Certificate (DOL-SCC) are all eligible to be awarded 1 credit hour at a time.

DOL DISCLAIMER:

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