

## Associate of Applied Science in Mechanical Engineering Technology

The CAD/CAM graduate will earn an Associate of Applied Science degree in Mechanical Engineering Technology. Students completing the associate degree are qualified to play a support role to the engineering professionals in industry preparing blueprints, layouts, bills of materials, manufacturing and product support documentations. The CAD/CAM major will also prepare the student to interpret designs and to design components and tooling used in manufacturing and to operate production machines and program CNC machines, using G codes and state-of-the-art CAM software.

## Career Outlook

Job seekers who have a two-year degree should have the best prospects for employment. With the shortage of skilled metalworkers in the United States today, the job opportunities are favorable for the CAD/CAM Technician.



## STEM and Industrial Technology Division



Franklin Roberts  
Dean

### Questions:

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

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

2023-2024

### 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

<b>First Semester</b>		<b>Credits</b>
ENG111	Composition I	3
+MET100	Introduction to Engineering Technology	2
+IMET107	Engineering Graphics & Sketching	3
+CAD112	2D CAD	4
+IND140	Principles of Maching	3
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<b>Second Semester</b>		<b>Credits</b>
+CAD213	Solid Modeling	4
ENG113	Speech	3
+IND241	Tooling & Fixtures	3
+MET222	Programming CNC	3
MTH109	College Algebra	3
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<b>Third Semester</b>		<b>Credits</b>
+MET223	CAM I	4
MTH112	Trigonometry	3
+QCT100	Quality Concepts	3
ENG210	Technical Communications	3
	Social/Behavioral Science Elective	3
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<b>Fourth Semester</b>		<b>Credits</b>
+MET260	CAM II	3
+MET262	CAD/CAM Project	4
+MET290	Eng. Tech Co-op Internship or	
+MET121	Manufacturing Processes, or	
+MET134	Engineering Materials	3
PHY251	Physics: Mechanics & Heat	4
	Humanities Elective	3
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**Total Program Credit Hours** **64**

+ Students must attain a minimum grade of “C” in all courses with a ‘+’ to progress in the program and to graduate.