

Associate of Applied Science in

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



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Dean

Questions:

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

2019-2020

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

PROGRAM SEQUENCE

First Semester		Credits
+CAD111	CAD I	4
ENG111	Composition I	3
+IND140	Principles of Machining	3
MET100	Introduction to Engineering Technology	2
+MET107	Engineering Graphics	3
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Second Semester		Credits
+CAD213	CADIII	4
ENG210	Technical Communications	3
+IND241	Tooling & Fixtures	3
+MET222	Programming CNC	3
MTH109	College Algebra	3
		<hr/> 16

Third Semester		Credits
+MET223	CAM I	4
MTH112	Trigonometry	3
+QCT100	Quality Concepts	3
ENG113	Speech	3
	Social/Behavioral Science Elective	3
		<hr/> 16

Fourth Semester		Credits
+MET260	CAM II	3
+MET262	CAD/CAM Project	4
PHY251	Physics: Mechanics & Heat	4
+CET115	Project Management, or	
+MET121	Manufacturing Processes, or	
+MET134	Engineering Materials	3
	Humanities Elective	3
		<hr/> 17

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.