

CAD / CAM

Engineering Technologies Division

For Program Questions:

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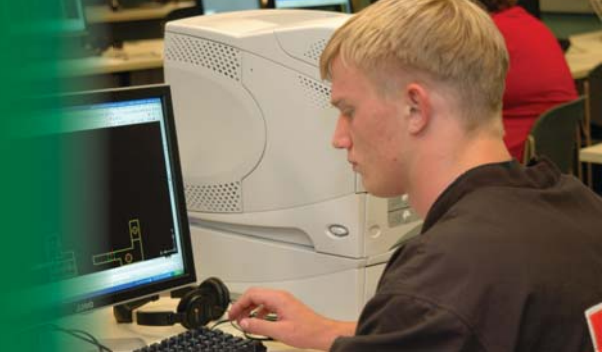
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www.northweststate.edu

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The Higher Learning Commission
(312) 263-0456*

www.ncahigherlearningcommission.org



CAD / CAM

Associate of Applied Science in Mechanical Engineering Technology

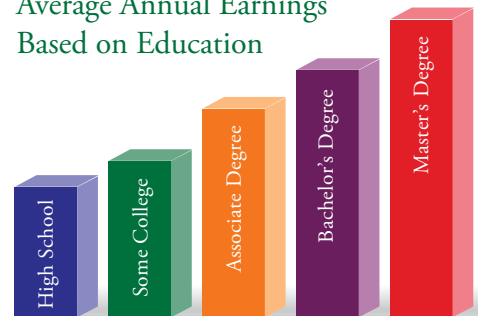
The CAD/CAM graduate will earn an Associate of Applied Science degree in the Mechanical Engineering Technology. Students completing the associate degree are qualified to play a support role to the engineering professionals in industry preparing blueprints, layouts, bills of materials, manufacturing and 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 very favorable for the CAD/CAM Technician.

Education Pays

Average Annual Earnings
Based on Education



2011-2012

Based on data from the Bureau of Labor Statistics

Program Sequence

First Semester

		<i>Credits</i>
+ CAD111	CAD I	4
ENG111	Composition I	3
MET100	Introduction to Engineering Technology	2
IND103	Applied Geometry & Trigonometry	3
+ MET110	Print Reading & Sketching	3
+ IND140	Principles of Machining	3
		18

Second Semester

		<i>Credits</i>
+ CAD112	CAD II	4
ENG112	Composition II	3
+ IND241	Tooling & Fixtures	3
+ MET222	Programming CNC	3
MTH109	College Algebra	3
	Communications Elective	3
		19

Third Semester

		<i>Credits</i>
+ CAD213	CAD III	4
+ MET223	CAM I	4
+ QCT141	Precision Measurement	3
MTH112	Trigonometry	3
	Social/Behavioral Science Elective	3
		17

Fourth Semester

		<i>Credits</i>
+ MET260	CAM II	3
+ MET262	CAD/CAM Project	4
PHY251	Physics: Mechanics & Heat	4
+	Technical Elective	3
	Humanities Elective	3
		17

Total Program Credit Hours **71**

+ Students must attain a minimum grade of "C" in all courses with a '+' to progress in the program and to graduate.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information.

