

COMPUTER-AIDED MACHINING

**NORTHERN
MAINE**
COMMUNITY COLLEGE

PROGRAM PURPOSE

The Computer-Aided Machining certificate program enables students to develop skills in programming, setup, and operation of programmable machine tools to produce precision parts and develop the required skills for entry-level employment.

Students will develop additional skills in process planning, print reading, measurement and inspection, and custom work-holding design, leading to NIMS – National Institute for Metalworking Skills and/or other credentials. The Computer-Aided Machining program at NMCC is located in the college's HAAS Technical Education Center.

The college's collaborative relationship with HAAS Automation, Inc. affords students access to state-of-the-art machine tools to support training in both entry-level and advanced machining processes. Job opportunities for graduates include CNC mill operator, CNC lathe operator, and quality control technician.

The Computer Aided Machining Certificate Program is accredited by the National Institute for Metalworking Skills (NIMS). This program is supported by leading employers around the state.

CAREER OPPORTUNITIES

Graduates from a Computer-Aided Machining program typically have various career opportunities in manufacturing and quality control. Some common career paths include:

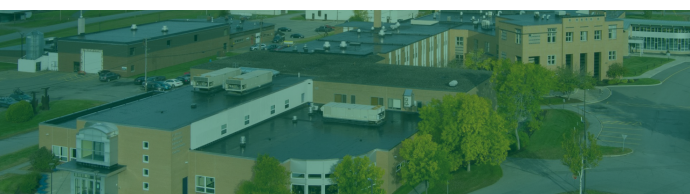
- CNC Machinist
- Setup/Operator Manufacturing Technician
- Quality Control Technician
- Quality Control Inspector



APPLICATION PROCEDURE

The following procedures constitute the admissions process:

- 1 Submit an NMCC application.
- 2 Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).
- 3 Official college transcripts for applicants who have attended other post-secondary schools.
- 4 If SAT scores are not available, placement testing may be required.
- 5 Meet with an Admissions Counselor.
- 6 A campus tour is highly recommended.



GET IN TOUCH

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Presque Isle, ME 04769

COMPUTER AIDED MACHINING
2026-2027
Certificate Program

First Semester			C	L	CR
	MAT 122	Technical Math	2	2	3
	DRR 114	Print Reading for Machinists & Welders	2	2	3
>	PMT 100	Introduction to Programming	1	2	2
>	PMT 122	CNC Mill & Lathe Setup & Operation I	1	9	4
	PMT 102	3D Modeling	2	2	3
	PMT 120	NIMS Lab	1	3	2
			9	20	17
Second Semester			C	L	CR
	ENG 111	English Composition	3	0	3
>	PMT 112	CNC Mill Programming	2	0	2
>	PMT 114	CNC Lathe Programming	2	0	2
	PMT 119	Inspection	1	3	2
>	PMT 222	CNC Mill & Lathe Setup & Operation II	1	9	4
	PMT 123	Manual Machining	1	3	2
			10	15	15
Total Required					32

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The Computer Aided Machining 2.0 is required for a minimum grade of C in this course. Edited by the National Institute of Metalworking Skills (NIMS).
hours; L=Laboratory; CR=Credit hours

