

# Computerized Machining Technology

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(1 to 2 Years)

Program Description	Type	Degree
CNC Operator, A.T.C. ( <a href="http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/atc-cnc-operator/">http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/atc-cnc-operator/</a> )	Certificate	
Machining Technology, A.T.C. ( <a href="http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/atc-machining-technology/">http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/atc-machining-technology/</a> )	Certificate	
Computerized Machining Technology, A.A.S. ( <a href="http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/aas-computerized-machining-technology/">http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/aas-computerized-machining-technology/</a> )	Degree	A.A.S.
Applied Science, B.A.S. ( <a href="http://coursecat.isu.edu/undergraduate/technology/bachelor-applied-science/bas-applied-science/">http://coursecat.isu.edu/undergraduate/technology/bachelor-applied-science/bas-applied-science/</a> )	Degree	B.A.S.

## Objectives

Students will gain knowledge while developing and demonstrating industry-level competencies in the following:

- Operation of manual lathes and milling machines;
- Computerized Numerical Control (CNC) machine programming and operation;
- Computer Aided Drafting (CAD) and Computer Aided Machining (CAM); and
- Advanced manufacturing processes and tools.

The program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) (<https://www.atmae.org/>).

## Program Information

For a Program Information Packet showing descriptions of each option, course descriptions, lists of course sequences, and the cost of books, tools, uniforms, fees, and other expenses, go online to <https://www.isu.edu/computerizedmachining/program-handbook--forms/>.

Successful completion (D- or better) of each course is required before the student can progress in the program. All courses within the program must be completed with an overall 2.0 GPA (C or better average). If a student fails math, then s/he must repeat the course and obtain a passing grade before advancing to the next math class. If the student fails the same math class a second time, then s/he must exit the program and make up the deficiency through Technical General Education or other appropriate methods. The student will then be allowed to repeat the course at the next available program opening.

Faculty (<http://coursecat.isu.edu/undergraduate/technology/computerizedmachiningtechnology/faculty/>)

MACH Courses (<http://coursecat.isu.edu/undergraduate/allcourses/mach/>)