



Computerized Machining Technology —AAS

The Computerized Machining Technology program will provide the student with the knowledge for designing, prototyping, and the manufacturing of machined parts. You will gain valuable skills in a fascinating trade. Computerized Machining Technology training offers the chance to gain job-ready abilities for an engaging career that can provide a real sense of pride and accomplishment. By becoming skilled at working with computer numerical control (CNC) machine technologies, you could soon be making tools, dies, molds, and other objects using 3-D printing, high-tech lathes or milling equipment. It's an opportunity to learn one of today's most appealing and dependable trades. SolidWorks and MasterCam software will be used in designing parts, and machines such as lathes and mills will be used in their manufacture. The instruction, course of study, facilities, and equipment of this institution have been evaluated and accredited by the National Institute for Metalworking Skills (NIMS) and demonstrate the ability to produce skilled, work-ready individuals that fulfill industry's 21st Century workforce needs.

ASSOCIATE OF APPLIED SCIENCE COMPUTERIZED MACHINING TECHNOLOGY

Total Program = 60 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

- UNIV 1001 Principles of Academic Success I
UNIV 1003 Principles of Academic Success III

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

Department

University
University

GENERAL EDUCATION CORE—12 HOURS

- ENG 1003 Freshman English I
ENG 1013 Freshman English II
MATH 1013 Technical Mathematics (or higher)

Choose one of the following courses.

- PSY 2013 Introduction to Psychology **or**
SOC 2213 Principles of Sociology **or**
HIST 2763 The United States to 1876 **or**
HIST 2773 The United States since 1876

Department

English
English
Mathematics

COMPUTERIZED MACHINING TECHNOLOGY CORE—41 HOURS

- CMT 1013 CAD/CAM I
CMT 1103 Prototyping I
CMT 1203 Basic Machining
CMT 1023 CAD/CAM II
CMT 2103 Prototyping II

Department

Comp Machining Tech
Comp Machining Tech
Comp Machining Tech
Comp Machining Tech
Comp Machining Tech

Transforming lives through quality learning experiences





CMT	2703	Advanced Machining	Comp Machining Tech
CMT	1303	CNC I	Comp Machining Tech
CMT	1313	CNC II	Comp Machining Tech
CMT	2113	Industrial Environment	Comp Machining Tech
CMT	2123	Concept to Production	Comp Machining Tech
CMT	2313	CNC III	Comp Machining Tech
CMT	2022	Metrology I	Comp Machining Tech
CMT	2013	CAD/CAM III	Comp Machining Tech
CMT	2413	Manufacturing Materials and Processes	Comp Machining Tech

TECHNICAL RELATED ELECTIVES—7 HOURS

Choose 7 hours of technical electives in consultation with your advisor.

Suggestions include courses from the following areas: CADD, CTE, Industrial Technology, Machining, and Welding.