

Career Education

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.

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 Requirement

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.

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

Department

University
University

General Education Core - 12 hours

General Education Core

ENG 1003 Freshman English I
ENG 1013 Freshman English II
MATH 1013 Technical Mathematics A, B, C, D, E, J, M and V

Department

English
English
Mathematics

Students may take a MATH course higher than MATH 1013.

General Education Core

Choose one of the following courses.
PSY 2013 Introduction to Psychology
SOC 2213 Principles of Sociology
HIST 2763 The United States to 1876
HIST 2773 The United States Since 1876

Department

Psychology
Sociology
History
History

Computerized Machining Technology Core - 41 hours

Computerized Machining Technology Core

CMT 1013	CAD/CAM I
CMT 1103	Prototyping I
CMT 1203	Basic Machining
CMT 1023	CAD/CAM II
CMT 2103	Prototyping II
CMT 2703	Advanced Machining
CMT 1303	CNC I
CMT 1313	CNC II
CMT 2113	Industrial Environment
CMT 2123	Concepts of Production
CMT 2313	CNC III
CMT 2013	CAD/CAM III
CMT 2413	Manufacturing Materials and Processes

Department

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Technical Related Electives - 7 hours

Technical Related Electives

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.

Department