[1] **An Industrial Technology certificate program is available in Mechanical/CADCAM. See page 67.**

Program supervised by:

John Petrewski, Chairman
Office: Mechanical Building, Room M117
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Industrial Technology

Associate in Applied Science[1]

The Industrial Technology curriculum provides an educational opportunity for those students who desire an associate degree in a technical area with a non-calculus mathematics approach. The curriculum provides a general technology program which allows students a choice of course selections in several technical specialties. Designed for the part-time degree candidate, individualized program design may be developed by an appropriate advisor, to meet the needs of a student, or by an advisor with a corporate sponsor.

A minimum of 60 semester hours is required for the A.A.S. degree. A Certificate of Industrial Technology may be granted upon completion of 30 approved credits. Individualized programs which vary from the suggested sequences must be approved by the Dean of Applied Sciences or the appropriate academic advisor.

Suggested Core Courses	**Credits**
MAT 124 Statistics I	3
MAT 130 Applied Algebra and Trigometry	4
CST 106 Computers in Technology	3
ENG 110 College Writing I	3
ENG 150 Technical Writing	3
SOS 120 Science, Technology and Democratic Society	3
Social Science Elective Approval by Advisor	3
PHY 161 and 162 or CHM 145 and 146	8
	30

The additional 30 credits of approved coursework required for the AAS degree may be taken in the suggested sequence below:

Industrial Technology: Mechanical/CADCAM

Associate in Applied Science

Program supervised by:

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The Mechanical/CADCAM sequence of the Industrial Technology program is designed for the full-time day or part-time evening student. This program prepares students with the knowledge and skills in Computer Aided Drawing (CAD), Computer Aided Manufacturing (CAM), and Quality Assurance to assure success in today's high-tech industries.

The following sequence of courses is a two-year schedule for full-time day students meeting all prerequisites. Schedules will be redesigned for students without the prerequisites and for part-time students.

Cooperative Work Experience

Selected students can receive on-the-job experience directly related to the Industrial Technology: Mechanical/CADCAM field by registering for MET 298 Cooperative Work Experience. To be eligible, students must be registered full-time in the MT Department, and have a GPA of at least 2.2 with no "F" grades, and have completed at least 24 credit hours.

FIRST YEAR		**Credits**
Fall Semester		
CST 106	Computers in Technology	3
MAT 130	Applied Algebra & Trigonometry	4
MET 113	Engineering Drawing I w/CAD	2
TEC 100	Introduction to Technology	0.5
MET 121	Manufacturing Processes I	2
MET 112	Metrology	3
		14.5
Spring Semester		
MET 122	Manufacturing Processes II	3
ENG 110	College Writing I	3
MET 116	Engineering Drawing II w/CAD	3
MET 164	Quality Systems	2
Technical Elective[1]		3
		14

SECOND YEAR		
Fall Semester		
MET 220[2]	Programming CNC Machine Tools	3
MET 211	Mechanical Desktop	2
ENG 150	Technical Writing	3
SOS 120w	Science, Tech. & Democratic Soc.	3
PHY 161	Physics I	4
		15
Spring Semester		
MET 223[2]	Computer Integrated Machining	3
MET 213	Pro/Engineer	2
MAT 124	Statistics I	3
PHY 162	Physics II	4
Social Science Elective		3
Technical Elective[1]		2
		17

GRADUATION REQUIREMENTS: 60.5 CREDITS

[1] Technical Electives may be chosen from CST, EET, CHM, CIV, MET, or SQC listings.

[2] Offered in the evening only.

NOTE: Some course substitutions are available for evening students.