



Machining Technology ♦ **Associate of Applied Science** ♦ **63 Credits**

Program Description

The Machining Technology AAS degree provides training in advanced metal working using computer controlled machines. You will use Mastercam to create three dimensional drawings, solids, and surfaces. Learn to inspect, set up, and operate machines. If you are completing the AAS degree or currently working in the field, we provide Mastercam testing and certification.

Career Options

The Machining Technology AAS degree prepares you for a career as a machinist within industrial facilities. The recommended full time schedule starting in the fall semester is below.

Semester One, Fall, 16 Credits.

COURSE PREFIX	COURSE NUMBER	TITLE	CREDITS
M A C	100	Machine Shop Safety	1
M A C	102	Print Reading for Machinists	3
M A C	105	Introduction to Machining Technology	4
M A C	130	Conventional Lathe Operations	4
M A T	108	Technical Mathematics	4

Semester Two, Spring, 14 Credits.

COURSE PREFIX	COURSE NUMBER	TITLE	CREDITS
C A D	255	Solidworks	3
C I S	118	Introduction to Computer Applications	3
M A C	131	Milling Machines and Operations	4
M A C	141	Advanced Machining Operations	4

Semester Three, Fall, 15 Credits.

COURSE PREFIX	COURSE NUMBER	TITLE	CREDITS
E N G	131	Technical Writing	3
C O M	125	OR two 1 Credit C O M courses	2

COURSE PREFIX	COURSE NUMBER	TITLE	CREDITS
M A C	203	Introduction to C N C Operations	6
M A C	243	Mastercam	4

Semester Four, Spring, 18 Credits.

COURSE PREFIX	COURSE NUMBER	TITLE	CREDITS
E G T	205	Geometric Dimension & Tolerance	3
COM	105	Or any General Education Elective	3
M A C	208	C N C Operations 2	6
M A C	241	CAD/CAM 2D Lab	3
M A C	250	Advanced Inspection Techniques	3

Semester Milestones

Always complete courses with a grade of C or higher.

Fall 1st Year

1) Complete FAFSA for next academic year when registering for spring semester.

Spring 1st Year

1) Complete scholarship applications for next academic year. 2) Register for summer and fall semesters. 3) If you plan to enroll in any summer classes, submit Summer Intent Form to Financial Aid Office for funding. 4) Check on your portal to make sure your Financial Aid for next year is processed. If so, you will be able to accept your award offer.

Fall 2nd Year

1) Meet with your advisor to complete your Graduation Planning Sheet; 2) Register for spring semester.

Spring 2nd Year

1) Graduate!!