MACHINE TECHNOLOGY

Machine Technology Associate of Science Degree

To graduate with a specialization in one of the Machine Technology majors, students must complete all the requirements for the appropriate certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Machine Technology Certificates

Students working for certificates must have a basic knowledge of arithmetic, reading, and writing in order to learn and work in the occupations they select.

There are four Machine Technology Certificates: (1) Computer Numerical Control: CAD/CAM, (2) Machine Technology, (3) Machinist Standard, and (4) Tool and Die. Each of these certificates requires the core courses plus specialized courses.

REQUIRED CORE COURSES:		UNITS	
MACH 021A I MACH 022A I MACH 023A I MACH 024A I MACH 090A I	Machine Shop Theory Machine Shop I Machine Shop II Machine Shop III Machine Shop III Machine Shop IV Engineering Blueprint Reading, Geometric Dimensioning and Tolerancing	2 4 4 4 4 3	
	Technical Calculations	4	
TOTAL UNITS for the Core Requirements		25	
1. Comput	er Numerical Control: CAD/CAM		
REQUIRED COURSES:		UNITS	
Machine Technology Core Requirements		<u> 25</u>	
MACH 071A 0 MACH 072A 0 MACH 073A 0 MACH 074A 5	Computer Numerical Control Machining I Computer Numerical Control Machining II Computer Aided Design/Computer Aided Manufacturing I Computer Aided Design/Computer Aided Manufacturing II Set-up and Operation of Various Machine Controls Manufacturing Processes	3 3 3 3 3 3	
Total Units for the Computer Numerical Control: CAD/CAM specialized courses			
TOTAL UNITS required for the Computer Numerical Control: CAD/CAM Certificate			
2. Machine Technology			
REQUIRED COURSES:			
Machine Technology Core Requirements			
TOTAL UNITS required for the Machine Technology Certificate			

3. Machinist Standard

REQUIRED COURSES: Machine Technology Core Requirements		UNITS 25	
			MACH 070A MACH 129A
Total Units for the Machinist Standard specialized courses		6	
TOTAL UNITS required for the Machinist Standard Certificate		31	
4. Tool a	and Die		
REQUIRED COURSES:		UNITS	
Machine Technology Core Requirements		25	
MACH 060A MACH 061A MACH 062x3 MACH 129A	5	4 4 3 3	
Total Units fo	14		
TOTAL UNITS	39		