

**MACHINE SHOP  
TWO-YEAR CERTIFICATE PROGRAM  
Catalog 2005-2007**

The Machine Shop Technology Program is designed to prepare students for positions in industries which utilize metal-cutting machine tools. Machinists produce metal parts used in machinery of all types, sizes and shapes. Major course areas include machine shop safety, measuring instruments, blueprint reading, shop math, and operation of general machine tools including drill presses, saws, lathes, milling machines, grinders. Upon completion of the program, the student will be qualified as an entry-level machinist, maintenance machinist, or apprentice machine trades trainee. **Note:** This program requires that the student purchase his/her own tools. To obtain a list of the required tools, contact the program instructor. **Note:** A student must earn a grade of "C" or higher in all courses in order to receive a degree or certificate.

**Recommended course sequencing for first time students.**

			<b>Credit Hours</b>	<b>Grade</b>	
<b>1st Semester</b>					
___	MASH	115	Machine Shop Blueprint Reading	3	_____
___	MASH	121	Machine Shop I	4	_____
___	MATH	113	Applied Mathematics for Vocational Students	3	_____
				Total 20 credits	
<b>2<sup>nd</sup> Semester</b>					
___	DRFT	111	Drafting for Industry	3	_____
___	MASH	131	Machine Shop II	4	_____
				Total 17 credits	
<b>3<sup>rd</sup> Semester</b>					
___	MASH	211	Machine Shop III	4	_____
				Total 14 credits	
<b>4<sup>th</sup> Semester</b>					
___	ENGL	118	Technical Composition	3	_____
___	MASH	221	Machine Shop IV	4	_____
___	WELD	111	Basic Welding	2	_____
				Total 19 credits	

**Total credit hours required for this certificate is 70**