

MACHINE SHOP TECHNOLOGY  
ASSOCIATE OF APPLIED SCIENCE DEGREE  
Catalog 2007-2008

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. 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	14	_____
____ MATH 113 Applied Mathematics for Vocational Students	<u>3</u>	_____
Total	20	
<b>2nd Semester</b>		
____ DRFT 111 Drafting for Industry (offered in the spring only)	3	_____
____ ENGL 118 Technical Composition	3	_____
____ MASH 131 Machine Shop II	<u>14</u>	_____
Total	20	
<b>3rd Semester</b>		
____ ENGL 218 Advanced Technical Composition	3	_____
____ MASH 211 Machine Shop III	14	_____
____ WELD 111 Basic Welding (offered in the fall only)	<u>2</u>	_____
Total	19	
<b>4th Semester</b>		
____ MASH 221 Machine Shop IV	14	_____
____ _____ _____ Humanities/Social Science Elective*	3	_____
____ SPCH 110 Public Speaking <b>OR</b>		
____ SPCH 111 Interpersonal Communication	<u>3</u>	_____
Total	20	

Total credit hours required for this degree 79

\* See page 51, Humanities and Social Science Electives, 2008-2009 San Juan College catalog.