



Program of Study: Machinist

Associate of Arts/ Science Degree	M E T	I P	N E E D	
2. AMERICAN INSTITUTIONS/STATE & LOCAL GOVERNMENT : (3 units)				
Political Science 101**, 105 and 106; Social Science 132. <small>(**Students who completed POL S 101 before Spring 2014 must also complete POL S 106).</small>				
3. U.S. HISTORY: (3units)				
Economics 111, History 116; History 110, 111(CD), 117, 118; Social Science 131				
4. MATHEMATICS				
Mathematics 101, 120, 131 or 220AB (2 units)				
5. HEALTH (3 units)				
Health 104, 106; Psychology 111(CD)* or equivalent will satisfy this requirement.				
6. PHYSICAL EDUCATION (2 units)				
physical education activity classes and/or dance activity classes				
7. FIRST AID (1 units)				
Health 101, 102; Emergency Medical Technology 140				
8. CULTURAL DIVERSITY (3 units)				
Courses that satisfy this requirement have been marked by (CD) and appear throughout the graduation requirements. The requirement may be satisfied by completing any one of the graduation requirements with a course marked (CD) or by completing Child Development 156.				
9. General Education: 18 units; 1 course from each areas				
A. Natural Science (3 units)				
B. Social Sciences (3 units)				
C. Humanities:				
1. Interdisciplinary Humanities (3 units)				
2. Arts, Foreign Language, Literature, & Philosophy (3 units)				
D. Lang & Reality:				
1.English Composition (3 units)				
2.Communication & Analytical Thinking (3 units)				
TOTAL UNITS 35-37				

***Courses with an asterisk may be counted in one area only.
 ***Students who complete POL S 101 prior to spring 2014 must also complete POL S 106

Online Resources



www.salarysurfer.cccco.edu



www.CaCareerZone.org



1500 North Verdugo Road, Glendale, CA 91208 [Academic Counseling](#) (818) 240-1000 Ext. 5918 [Career Center](#) (818) 240-1000 Ext. 5407 or 5408

SEE A COUNSELOR TO PREPARE A STUDENT EDUCATIONAL PLAN

Checklist

Revised 9/12/16

PREREQUISITE COURSES	CERTIFICATE (Requirements)	U N I T S	M E T	I P	N E E D	Transfer Credit
	CAM 210: Computer Aided Manufacturing, Basic Milling	3				
CAM 210 or equivalent (may be taken concurrently)	CAM 230 Computer Aided Manufacturing, Basic Milling Practice	1				
	MACH 101 Machine Technology I	3				CSU
MACH 101 or equivalent	MACH 102 Machine Technology II	5				CSU
MACH 102 or equivalent	MACH 103 Machine Technology III	5				CSU
MACH 103 or equivalent	MACH 104 Machine Technology IV	5				CSU
	MTL 150 Principles of Metallurgy & Heat Treating	3				
	T ED 140 Fundamentals of Engineering Documentation	3				
	T ED 142* Technical Mathematics I	3				
RECOMMENDED ELECTIVE COURSES						
CAM 210 or equivalent	CAM 211 Intermediate Milling	3				
CAM 211 or equivalent (may be taken concurrently)	CAM 231 Intermediate Milling Laboratory	1				
	ENGR 102 Engineering Print Reading for Industry	2				CSU
MACH 107 or equivalent	MACH 112 Machine Practice III	1				
TOTAL UNITS REQUIRED 31						

* The units earned for this course may not be applied toward the 60 units for graduation.

Student/Faculty Notes:



Manufacturing and Product

The Manufacturing and Product Development industry sector is an important part of California's economy, producing a wide range of products, including computers, communications equipment, electronic components, high-tech instruments, apparel, metal products, chemicals, plastics, aircraft, ships, missiles and space products, and search and navigation equipment.



Manufacturing and Product

Need a great career plan? Put one together right here.

Industrial Machinery Mechanics
\$20.36 - \$30.45

Structural Metal Fabricators and Fitters \$13.29 - \$21.34

Welders and Brazers \$12.91 - \$21.09

Electrical and Electronic Equipment Assemblers \$10.30 - \$17.28

Source:
www.WhoDoUWant2b.com

Once you've learned the core knowledge and skills on this pathway, you'll have the chance to follow one of four different branches: Machine Tools, Welding, Graphic Communications and Graphic Design.

These specialized courses of study will give you the additional skills and real-world experience you need to create everything from incredibly complex machines to eye-popping full-page magazine advertising career for yourself.



How much can you make?



Technical Level Careers

(with AA or AS degree or certificate)

- Commercial Photographer
- Production Manager
- Graphic Artist Journeyman
- Advertising Design
- Multimedia Digital Editor
- CNC Programmer
- Machine Technician
- Tooling Journeyman
- Industrial Electrician
- Carpenters
- Power Plant Operators

Professional Level Careers

(with BS or BA degree)

- Publisher, Editor
- Production Developer
- Industrial Technology Instructor
- Network Engineer
- Publications Management
- Multimedia Author
- Manufacturing Engineer
- Mechanical Engineer
- Design Engineer
- Fabrication Designer

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www.Online.OneToOnline.org

Has detailed descriptions of the world of work for use by job seekers, students, researchers, and more! Click on "find occupation".