

## MANUFACTURING TECHNOLOGY

### MFGT 121 CNC 1: OPERATION AND MANUAL PROGRAMMING

Units: 3.00 - CSU, May Be Taken Once for Credit  
 Explores the history of NC/CNC, elementary CNC programming conventions, cutting tool types, automatic tool changing, tool offsets and compensation, CNC set up procedures, and CNC mill and lathe practice.

82854 05:30PM-08:00PM TTH A. Karazi ADI-2  
This class meets off-campus at Aerospace Dynamics International.

### MFGT 122 CNC 2: CONCEPTS AND PROGRAMMING

Units: 3.00 - CSU, May Be Taken Once for Credit  
*Prerequisite: MFGT-121*  
 Studies advanced skills for programming and set up for mill and lathe parts on computer numerical control machine tools (3-axis & 5 axis).

82855 05:30PM-08:00PM TTH A. Karazi ADI-2  
This class meets off-campus at Aerospace Dynamics International.

### MFGT 131 CAD/CAM I

Units: 3.00 - CSU, May Be Taken Once for Credit  
 Introduces computer aided design and manufacturing using MASTERCAM as a CAD/CAM environment, emphasizing the writing and running of CNC lathe programs and machining metal parts.

82856 04:30PM-10:00PM M C. Vo ADI-2  
This class meets off-campus at Aerospace Dynamics International.

### MFGT 132 CAD/CAM II

Units: 3.00 - CSU, May Be Taken Once for Credit  
*Prerequisite: MFGT-131*  
 Provides intermediate level CAD/CAM training using MASTERCAM. Intended primarily for manufacturing technology students and industrial practitioners who have some experience with MASTERCAM. Contents include construction of 3D wire frame models, surface modeling fundamentals and creation, derived and composite surfaces, 3-axis surface modeling, and 4-axis and 5-axis programming.

82857 04:30PM-10:00PM M C. Vo ADI-2  
This class meets off-campus at Aerospace Dynamics International.

### MFGT 141 CATIA I

Units: 3.00 - CSU, May Be Taken Once for Credit  
 Introduces the basic concepts of CATIA as well as CATIA's surface design capabilities.

82858 06:00PM-08:30PM MW Staff ADI-1  
This class meets off-campus at Aerospace Dynamics International.

### CWE 188MFGT COOPERATIVE WORK EXPERIENCE EDUCATION MANUFACTURING TECHNOLOGY

Units: 1.00-4.00 - CSU, Unlimited Repeats  
 Provides students with the opportunity to apply knowledge and skills gained from college courses in an actual work setting. The work experience may be paid or unpaid. For more information about earning elective units for ongoing work experience or applying for an internship, visit [www.canyons.edu/cwee](http://www.canyons.edu/cwee). Maximum 8 units per term and 16 total units.

83836 - S. Wright STCN-123  
 83837 - S. Wright STCN-123  
 09/06/11-12/10/11

## MATH

### MATH 025 ARITHMETIC - LECTURE

Units: 5.00 - Not transferable, May Be Taken Once for Credit  
 Reviews fundamentals of addition, subtraction, multiplication, division, fractions, decimals, percentages, area, volume, perimeter, metric system, graphs, and techniques in solving word problems. Includes an introduction to algebra. Units do not apply to the associate degree.

82444 07:50AM-09:00AM MTWTH R. Kaur UCEN-314  
This class meets in the Dr. Dianne G. Van Hook University Center located on the south end of the Valencia campus. Allow plenty of passing time between classes.

82431 08:00AM-10:25AM MTWTH M. Teachout CCC-202  
 08/22/11-10/13/11

**This section is part of the PAL program.** These sections are short-term, intensive sections. Students are required to enroll in MATH-058-82432. For more information on the PAL program visit [www.canyons.edu/PAL](http://www.canyons.edu/PAL) or call (661) 362-3525.

**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

82442 10:30AM-11:40AM MTWTH D. Morrow SCOH-204  
**FYE CLASS. This class is for FYE students.** Visit [www.canyons.edu/fye](http://www.canyons.edu/fye) for more information.

82436 11:10AM-01:35PM MW E. Ngo CCC-603  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

82433 02:20PM-04:45PM TTH M. Kassab CCC-202  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

82434 04:55PM-07:20PM MW R. Ciuca CCC-202  
**CCC** This class meets at the CANYON COUNTRY CAMPUS on Sierra Highway.

