

CNC MACHINING AS A CAREER

This intensive job training program provides an entry level opportunity in the field of Computer Numerical Control (CNC) and general manufacturing for the all types of manufacturing found in Ventura County. CNC machinists use machine tools such as milling machines, lathes and special high-tech processes to produce precision metal and non-metal (plastic) parts and products. CNC machines and other automated equipment use a computer program to follow a set of manufacturing instructions which controls the tool path, cutting speed and other applications to perform all the necessary operations to create a part.

For more information, search GOOGLE and YOUTUBE for the topics "CNC machining" and "manufacturing" and you will discover what this exciting career is all about.



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VENTURA COLLEGE

MANUFACTURING TECHNOLOGY



SET YOUR COURSE



WHAT IS MANUFACTURING TECHNOLOGY?

Manufacturing Technology is the study of the design and machine tool processes used in the production of goods or products for use and sale. The continuing evolution and growth of the metalworking industry is heavily dependent on the availability of an ever-broader range of machine tools and on the skilled people who can use them effectively.

*Choose a job you love,
and you will never have
to work a day in your life.*

~ Confucius

WHAT CAN I LEARN?

From basic blueprint reading through computer aided design and manufacturing (CAD/CAM), Ventura College offers students the opportunity to learn the entry level manufacturing processes and skills that are required for employment in this high wage sector of Ventura County's economy.

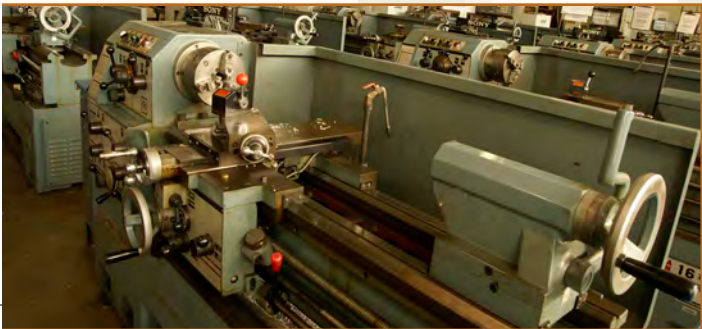
MAKE YOUR WORLD!

Ventura County has long relied on manufacturing for its economic success:

- 33,600 manufacturing careers
- Comprises more than 14 percent of the counties jobs, with over 900 manufacturing companies
- 37 percent higher average pay than all other industry sectors

Ventura College offers fast paced, intensive job training programs for in-demand and growing manufacturing occupations:

- *Computer Numerical Control (CNC) machinist*
- *Manufacturing Assembler and Technician*
- *Inspection/Quality*
- *Basic Machine Shop Applications*
- *Industrial Maintenance*



RELATED COURSES

- DRFT V05 Introduction to Autocad
- DRFT V41 Introduction to Industrial Design Graphics
- DRFT V42 3D Solid Modeling
- DRFT V43 Introduction to Solidworks
- DRFT V44 Rapid Design and Prototyping



MANUFACTURING TECHNOLOGY PROFICIENCY AWARD

CNC MACHINE OPERATOR

REQUIRED COURSES		UNITS
DRFT V02A/		
WEL V02A	Blueprint Reading: Manufacturing	3
MT V05-V06	CNC Machining I&II	2-2
MT V08	CNC Program Editing	3
MT V35	Production Machining and Tooling	
	Design Techniques	3
DRFT V50	Flexible Manufacturing Applications:	
	Computer Assisted Drafting (CAD)	
	Computer Assisted Machining (CAM)	3
TOTAL		16

MANUFACTURING TECHNOLOGY PROFICIENCY AWARD

MANUFACTURING APPLICATIONS

REQUIRED COURSES		UNITS
DRFT V02A/		
WEL V02A	Blueprint Reading: Manufacturing	3
DRFT V05/		
ARCH V23	Introduction to Autocad	2
MT V02-V03	Applied Machining I & II	2-2
MT V04/		
DRFT V04	Measurements and Computations	3
MT V05	CNC Machining I	2
MT V15	Manufacturing Processes	3
TOTAL		17