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.

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

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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

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