

SET YOUR COURSE



DRAFTING PROGRAM POTENTIAL CAREERS

Ventura College Drafting Program prepares students for challenging careers as drafters, designers, engineering assistants, architectural assistants, 3-D modelers, estimators, illustrators and design/drafting checkers.

Upon completion of the program, students will be able to demonstrate an understanding of drawing methods and graphic composition techniques, prepare and analyze technical drawings and provide appropriate solutions.

*No design works unless it
embodies ideas that are held
common by the people for
whom the object is intended.*

~ Adrian Forty

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VENTURA COLLEGE

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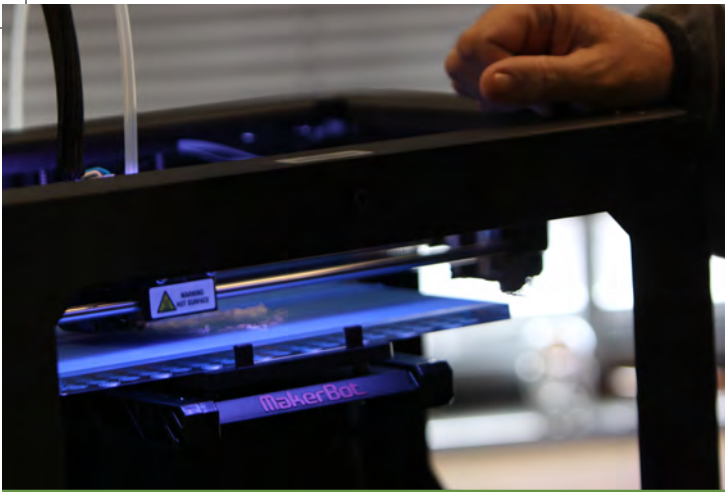
www.venturacollege.edu



VENTURA COLLEGE

DRAFTING





THE PROGRAM

The Ventura College Drafting Program is designed to provide the critical link between the design engineering process and manufacturing through the understanding of design principles, material properties, and the manufacturing processes. Students completing the Drafting program will be prepared to meet the design and drafting needs of engineering, architectural, and manufacturing firms. Students will acquire the practical knowledge and skills to successfully enter industry employment or to advance within their organization.

Specialized application of various software programs are taught using current technology and methods found in the architectural, manufacturing, and design industries. Cad software programs such as AutoCAD, Inventor, SolidWorks, Revit and Photoshop are taught in the program. There is a broad range of career opportunities such as drafters, designers, illustrators, and model makers.

Students may obtain an AS, Certificate of Achievement or preparation for transfer to a four year university in the fields of industrial design, manufacturing or industrial technology.

DRAFTING TECHNOLOGY: INDUSTRIAL DESIGN & MANUFACTURING OPTION

REQUIRED COURSES
ASSOCIATE IN SCIENCE DEGREE
CERTIFICATE OF ACHIEVEMENT

COURSES		UNITS
DRFT V05A/ARCH V23	Introduction to AutoCAD	2
DRFT V41	Introduction to Industrial Design Graphics	3
DRFT V42	Design Drafting and 3D Solid Modeling	3
DRFT V43	Introduction to Solidworks	3
DRFT V44	Rapid Design and Prototyping	3
DRFT V50	Flexible Manufacturing Applications: Computer Assisted Drafting (CAD)	3
	Computer Assisted Machining (CAM)	3
MT V15	Manufacturing Processes	3



REQUIRED ADDITIONAL COURSES

Select three (3) of the following courses:

DRFT V02A/		
WEL V02	Blueprint Reading: Manufacturing	3
DRFT V04/MT V04	Measurements and Computations	3
DRFT V14A	Technical Illustration I	3
DRFT V18	Drafting Projects	3
MT V02	Applied Machining I	2
MT V35	Production Machining and Tooling Design Techniques	3
WEL V01	Introduction to Welding	2
TOTAL		27-29

*See the Ventura College catalog for the most current required courses.