



Career Education

DRAFTING TECHNOLOGY

Certificate | Associate's | Associate's Degree of Transfer

Prepares students with the math and drawing techniques of 2D and 3D dimensional software to represent buildings and objects, and technical communication skills.



Drafting Technology



Essential CAD



Essential Fusion 360



Essential Solidworks

24/25 Course Catalog-NAS539/NCE1021/NCE1022/NCE1024

For more information on Career Education programs, visit us: www.norcollege.edu/careereducation.
For program, course sequencing, or scheduling, contact the Norco College Counseling Department at 951-372-7101.
You can also visit our website: norcollege.edu/counseling

DRAFTING TECHNOLOGY

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NORCO
COLLEGE

Certificate 20-23 units | Associate's Degree 60 units

Additional general education courses (30+ units) required to earn Associate's degree of Science. View full list of class offerings and graduation requirements in the Norco College course catalog: www.norcocollege.edu/catalog

Required Courses (3 units each):

DFT/ENE-21 Drafting

Fundamentals of Architectural and Mechanical Engineering drafting including lettering, geometric construction, types of projection, and freehand drawing.

DFT/ENE-27 Technical Communications

Procedures for organizing and presenting technical data through informal and formal documents and presentations. Practice in memoranda and letter reports.

CON-62 Print Reading for Construction

Construction print and specification reading, the relationship of drawings and specifications to the contract and responsibilities of the inspector.

OR

DFT/ENE-51 Print Reading

Beginner course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. Print reading for the machine trades.

DFT/ENE-30 Computer-Aided Drafting (CAD)

Two dimensional computer aided drafting class for drafters. Students use AUTOCAD to develop "computer drawn" drawings, typical in this industry.

DFT-62 Basic Fusion 360

Introduction to 3D parametric solid modeling, including basic and intermediate parts, assemblies, and drawings. Students produce CAD drawings.

Select another 6-8 units from:

Elective Courses (3 units each):

DFT/ENE-60 Math for Engineering Technology

OR

MAT-36 Trigonometry

CON-60 Introduction to Construction

ARE-37 Architectural Design

DFT/ENE-42 Solidworks I

MAN-56 CNC Machine Set-up and Operation

Certificates 6 units each:



Essential CAD

Certificate prepares students to render computer models and prepare CAD animation, 2D and 3D geometric shapes and models.

Two Courses (3 units each): DFT/ENE-30 and DFT-31



Essential Fusion 360

Certificate prepares makers with the knowledge and skill in using Fusion 360 to document mechanical drawings per ANSI standards.

Two Courses (3 units each): DFT-62 and DFT-63



Essential Solidworks

Certificate prepares students to render parts and assemblies with exploded view animation to document mechanical drawings per ANSI standards.

Two Courses (3 units each): DFT/ENE-42 and DFT/ENE-42B

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