Architectural Graphics
27 unit certificate • 60 unit degree

The Architectural Graphics certificate prepares students with technical communication skills, and the knowledge and craft of two dimensional drafting solutions for architecturally related industry applications.

Required Courses

DFT/ENE-21 Drafting (3 units)*
Fundamentals of mechanical drawing including lettering, instruments and their uses, geometric construction, types of projection, freehand drawing, sectioning, dimensioning, auxiliary views, and pictorial drawing. Recommended for beginners and students with up to one year of drafting in high school.

DFT/ENE-27 Technical Communications (3 units)*
Procedures for organizing and presenting technical data through informal and formal documents and presentations.

CON-62 Print Reading for Construction (3 units)*
An overview of construction print and specification reading, the relationship of drawings and specifications to the contract and responsibilities of the inspector in interpreting the contract documents and in the inspection of the work.

DFT/ENE-30 Computer-Aided Drafting (3 units)*
Advisory: CIS-1A
A two-dimensional Computer-Aided Drafting class for drafters. Students will use a CAD computer drafting system to develop computer drawn drawings which are typical to the various fields of drafting.

ARE-24 Revit I-Architectural Drafting (3 units)*
Prerequisite: ENE 21 & 30
Introduction to methods and techniques used in the development of architectural construction documents for light frame structures (Type V construction) including construction theory, notation, materials symbols, drawing format and general practice. Using Computer-Aided Drafting (CAD), this course will focus on the drawing of a set of plans to include a plot plan, foundation plan, floor plan(s), sections, exterior and interior elevations, electrical plan and structural details. Sketching techniques will also be covered.

ARE-25 Revit II- Advanced Architectural Drafting (3 units)*
Prerequisite: ARE/DFT-24

ARE-37 Architectural Design (3 units)*
Introduction into the use of determining factors, which revolve around the design of mankind's physcial and visual environment. Emphasis is placed on two and three-dimensional representation dealing with design composition, spatial relationships, and the use of various media for graphic communication.

Plus, select another 6 units from the following:

ARE-35 History of Architecture-Beginnings through Gothic (3 units)
ARE-36 History of Architecture: Renaissance to Modern (3 units)
CON-60 Introduction to Construction (3 units)
CON-74 Construction Estimating (3 units)

*This class transfers toward one or more CSUSB or CalPoly majors. Visit www.assist.org or the Counseling office for details.

NORCO COLLEGE

Architectural Graphics

Tuition $46/unit • Duration of Study: 18 months

A Certificate in Architectural Graphics will be awarded upon completion of the required courses (30 units). Please refer to the Norco College Catalog or visit the Counseling Center.

Job & Wage Information

- Architectural/Civil Drafter
  Wage Range*: $19.13-32.52
  1% increase expected in CA 2019-2029;
  1,450 openings annually
  More info: http://bit.ly/DrafterNC

- Surveying and Mapping Technicians
  Wage Range*: $21.02-32.98
  7% increase expected in CA 2019-2029; 570 openings annually
  More info:
  http://bit.ly/MappingTechnicianNC

*2020, Riverside/Ontario/San Bernardino Metro Area

What type of interests might be a good fit for this career choice?

Realistic

People who have athletic or mechanical ability and prefer to work with objects, machines and tools. Preference for working with things over people.

For more information on careers that fit this category of interests, visit the Career Center in the Center for Student Success.

What's Your School?

SCHOOL OF
Science, Technology, Engineering & Mathematics

Visit www.norcocollege.edu/STEM
for more information about this program.