

Engineering Graphics

9 unit certificate

The Engineering Graphics certificate readies students for an entry-level position in drafting or related industries. Students successfully completing this certificate will be proficient in mechanical drafting and two-dimensional AutoCAD.

Required Courses

(In suggested order of completion)

ENE-30 Computer Aided Drafting (CAD) (3 units)*

Advisory: CIS-1A

A two-dimensional computer aided drafting class for drafters. Students will use an CAD computer drafting system to develop computer drawn drawings which are typical to the various fields of drafting.

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.

AND

Select One:

DFT/ELE/ENE-27 Technical Communications (3 units)

OR

ENE-41 Engineering Graphics (3 units)*

Prerequisite: MAT-36 Trigonometry Course Credit

Recommendation: Degree credit

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

Engineering Graphics

Tuition \$46/unit • Duration of Study: 8 months

A Certificate in Engineering Graphics will be awarded upon completion of the required courses (9 units). Please refer to the Norco College Catalog or visit the Counseling Center.

Job & Wage Information

- Drafting Technician
Wage Range*: \$19.13-32.52
0% increase expected in CA 2019-2029;
1,480 openings annually
More info: <http://bit.ly/DrafterNC>
- CAD Operator/Mechanical Drafter
Wage Range*: \$23.17-36.62
0% increase expected in CA 2019-2029;
380 openings annually
More info:
<http://bit.ly/MechanicalDrafterNC>

*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.norcollege.edu/STEM
for more information about this program.