

ENGINEERING TECHNOLOGY

Program Description

This program generally prepares individuals to apply basic engineering principles and technical skills in support of engineers engaged in a wide variety of projects. This includes instruction in various engineering support functions for research, production, and operation, and application to specific engineering specialties. This discipline focuses on Engineering Technology, Mechanical Engineering and Civil Engineering (Engineering Technicians).

Campus

NOR

Award Type

AS, S, CP

Career Opportunities

- Civil Engineering Technician
- Drafter
- Engineering Technician

Wages

	Annual	Hourly
Civil Engineering Technician	\$53,400	\$25.67
Drafter	\$45,100	\$21.68
Engineering Technician	\$54,600	\$26.27

Contact Information

Norco – (951) 372-7105



ENGINEERING SOFTWARE APPLICATIONS AS549/CE549 Certificate Program

Required Courses (27 units)		Units
ENE-21	Drafting	3
ENE-30	Computer-Aided Drafting	3
ENE-31	Computer-Aided Drafting and Design	3
ENE-42	3D Parametric Solid Modeling	3
ENE-43	3D Technical Animation	3
ENE-44	Advanced 3D Technical Computer Animation	3
ART-36	Computer Art	3
CIS-1A	Introduction to Computer Information Systems	3
ADM-71	Adobe Photoshop	3
or		
CIS/CAT-78A	Introduction to Adobe Photoshop	3

Associate in Science Degree

The Associate of Science degree in Engineering Software Applications will be awarded upon completion of the requirements for the certificate, plus completion of the graduation requirements as described in the catalog, as well as electives totaling 60 units of college work as required for the associate degree.

ENGINEERING TECHNICIAN

AS550/CE550

Certificate Program

Required Courses (27 units)		Units
ENE-1A	Plane Surveying I	3
ENE-1B	Plane Surveying II	3
ENE-21	Drafting	3
ENE-22	Engineering Drawing	3
ENE-30	Computer-Aided Drafting (CAD)	3
MAT-35	Intermediate Algebra	5
MAT-36	Trigonometry	4
Electives	(Choose from list below)	3

Electives (3 Units)

ARE-24	Architectural Drafting	3
ENE-23	Descriptive Geometry	3
ENE-26	Civil Engineering Drafting	3
ENE-31	Computer-Aided Drafting and Design	3

Associate in Science Degree

The Associate in Science degree in Engineering Aide will be awarded upon completion of the requirements for the certificate, plus completion of the graduation requirements as described in the catalog, as well as electives totaling 60 units of college work as required for the associate degree.

ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY Associate in Science Degree

Required Courses (35-37 units)		Units
ENE-21	Drafting	3
ENE-22	Engineering Drawing	3
ENE/ELE-27	Technical Communication	3
ENE-30	Computer Aided Drafting (CAD)	3
ENE-33	Machine Design	3
ELE-21	DC-AC Electronics	4
MAT-11	College Algebra	4
MAT-36	Trigonometry	4
WEL/ENE/MAN-34		
	Metal Joining Processes	2
Electives	(Choose from list below)	6-8
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Electives (6-8 Units)		
CHE-2A	Introductory Chemistry I	4
ENE- 23	Descriptive Geometry	3
MAC/MAN- 51	Machine Processes	3
MAT-5	Calculus, A Short Course	4
MAT-12	Statistics	3
PHY-2A	General Physics I	4

Plus completion of the graduation requirements as described in the catalog.

Associate in Science Degree

The Associate in Science Degree in Engineering Technology will be awarded upon completion of the requirements for the certificate, plus completion of the graduation requirements as described in the catalog, as well as electives totaling 60 units of college work as required for the Associate Degree.

AS551

The following locally approved certificates may lead to employment competency, but do not lead to an associate in science degree:

ENGINEERING GRAPHICS Certificate Program

CE796

Required Courses (9 units)		Units
ENE-21	Drafting	3
ENE-22	Engineering Drawing	3
ENE-30	Computer-Aided Drafting (CAD)	3

INDUSTRIAL DESIGN Certificate Program

CE798

Required Courses (10 units)		Units
ENE-28	Technical Design	3
ENE-42	3D Parametric Solid Modeling	3
MAN-52	Computer-Aided Manufacturing Mastercam	4

