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DRAFTING TECHNOLOGY CERTIFICATE

Program Narrative

Item 1. Program Goals and Objectives

Drafting Technology certificate program prepares individuals the basic skills and knowledge in the field of drafting to perform as a general drafter. Students can advance their skills later on in Mechanical or Architectural drafting. This program gives individuals knowledge and skills to develop working drawings and electronic simulations in support of engineering drafting and related professionals. The content includes the application of Manual Drafting, Computer Assisted Drafting and technical communication to the creation of graphic representations and simulations in support of engineering projects.

Upon successful completion of this program, students should be able to: 3s

This program prepares individuals to apply technical skills and advanced computer software and hardware to the creation of graphic representations and simulation in support of drafting and engineering design problems typical

The goal of this program is to provide a diverse population of adult learners with the opportunity to build their understanding of general Drafting techniques needed for drafting job performance, which is essential for setting up and operating a quality drafting service business/shop.

Item 5. Enrollment and Completer Projections

The college expect to offer all courses in the certificate twice per year, and each class will be offered to 34 students. Students can complete the program within a year.

Item 6. Place of Program in Curriculum/Similar Programs

Current Norco College Drafting Technology program includes:

Required Courses (25-27 units)	Units	
DFT/ENE-21 Drafting	3	
DFT/ ENE-22 Engineering Drawing	3	
DFT/ ENE-28 Technical Design	3	
DFT/ENE-30 Computer Aided Drafting (CAD)	3	
DFT/ ENE-42 SolidWorks I	3	
DFT/ENE-51 Blueprint Reading	2	
ENE-52 Geometric Dimensioning and Tolerancing	2	
DFT/ ENE-60 Math for Engineering Technology	3	
or		
MAT-36 Trigonometry	4	
Electives(Choose from list below)	3-4	
Bectives (3-4 units)		
DFT/ARE-24 Architectural Drafting	3	
DFT/ ENE-23 Descriptive Geometry	3	
DFT/ELE/ Technical Communications		
ENE-27 DFT/ ENE-42B SolidWorks II		

MAN-56CNC Machine Set-13 58Qq0.00000912 0 612 912 0 61792q0.00000912 0 612 912 0 61792q0.00000912 0 612 912

Item 8. Transfer Preparation Information (if applicable)

The courses in this proposal are transferable as listed below.

Course	Title	Units	Transferable to
DFT/ ENE21	Drafting	3	UC, CSU
DFT/ ENE27	Technical Communications	3	CSU
DFT/ ENE30	Computer Aided Drafting	3	UC, CSU
DFT/ENE51	Blueprint Reading	3	CSU
OON62	Print Reading for Construction	3	CSU
ARE37	Technical Communications	3	UC, CSU
DFT/ ENE42	SolidWorks I	3	CSU
MAT36	Trigonometry	3	CSU
ENE 41	Engineering Graphics	3	CSU

Reference to Norco College course catalog