

CERTIFICATE IN COMPUTER-AIDED DRAFTING

(9 hrs. min.)

CIP:15.1302

School of Business and Applied Technologies, (505) 428-1332

Geared for the professional working in a design-related field, this program uses SFCC's Premier Autodesk Training Center as its predominant method of course delivery. Students attend classes to obtain proficiency in computer drafting and design programs. Upon completion of the program, students are prepared to take national certification exams and earn recognitions that can lead to enhanced job opportunities.

PROGRAM OUTCOMES

Upon completion of this program, students will be able to:

- Use AutoCAD and related computer-aided modeling programs to construct advanced 2-Dimensional technical documents for construction-related purposes.
- Describe and utilize AutoCAD's workspace, commands and system variables to create and edit geometry using numerous vector-based point entry systems.
- Use different selection methods to manipulate and construct objects based upon a creative, problem solving approach to model creation.
- Create, manage and explain the use of .dwg content in a project and how the planning and disciplined use of layers, styles and references enhance a technician's ability to provide quick and intelligent models.
- Calculate, modify and manage various viewport scale factors in a .dwg to ensure that sheet layouts are annotated effectively and appropriate following drafting standards and designer's expectations.
- Think creatively to expand knowledge in each area of program usage and capability.

CORE REQUIREMENTS: (9 HRS. MIN.)

ACAD 111	AutoCAD – Level I (2)
ACAD 112	AutoCAD – Level II (2)
ACAD 113	AutoCAD 3-D: Modeling Basics (1)
ACAD 211	AutoCAD – Level III (2)
ACAD 212	AutoCAD – Level IV (2)
[or]	
DRFT 111	Technical Drawing with CAD (3)
DRFT 121	Computer-Aided Drafting Foundation (3)
DRFT 211	Computer-Aided Drafting Proficiency (3)
DRFT 221	Computer-Aided Drafting Mastery (3)

NOTE: See "College Success Course Requirement" on Page 10.

TOTAL 9 CREDITS MIN.