

Program Planning Guide
Computer-Aided Drafting Technology, Certificate (C50150C)

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science in Computer-Aided Drafting Technology; Diploma in Computer-Aided Drafting Technology; Certificate in Computer-Aided Drafting Technology

Program Site(s): Lee Main Campus - Day Program

Suggested Course Schedule:	HOURS			Grade	Semester	Notes
	Class	Lab	Credit			
1st Semester (Fall)						
BPR 111	Print Reading	1	2	2		
DFT 151	CAD I	2	3	3		
		3	5	5		
2nd Semester (Spring)						
BPR 121	Blueprint Reading: Mechanical	1	2	2		
CIS 110	Introduction to Computers	2	2	3		
		3	4	5		
3rd Semester (Fall)						
DFT 152	CAD II	2	3	3		
		2	3	3		

Total Semester Hours Credit Required for Graduation: 13

Course Descriptions:

BPR 111 Print Reading 1-2-2

This course introduces the basic principles of print reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic prints and visualize the features of a part or system.

BPR 121 Blueprint Reading: Mechanical 1-2-2

Take one--Prerequisite: BPR 111 or MAC 131

This course covers the interpretation of intermediate blueprints. Topics include tolerancing, auxiliary views, sectional views, and assembly drawings. Upon completion, students should be able to read and interpret a mechanical working drawing.

CIS 110 Introduction to Computers 2-2-3

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. *This course has been approved for transfer under the CAA and ICAA as a premajor and/or elective course requirement.*

DFT 151 CAD I 2-3-3

Local Prerequisite: DFT 111 or Instructor Approval

This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.

DFT 152 CAD II 2-3-3

Local Prerequisite: DFT 151

This course introduces extended CAD applications. Emphasis is placed upon intermediate applications of CAD skills. Upon completion, students should be able to use extended CAD applications to generate and manage drawings.