

DRAFTING & DESIGN TECHNOLOGY PROGRAM GUIDE

**** All courses must be completed with a grade of "C" or better**

NAME: _____

TODAY'S DATE: _____

ANTICIPATED COMPLETION TERM & YEAR _____

DAY/NIGHT: _____

COURSE NAME	COURSE ABBREVIATION	COURSE NUMBER	CREDIT HOURS	GRADE	TERM TAKEN
FIRST SEMESTER (FALL)					
Fundamentals of Drafting & Design	DRFT	1000	4		
Introduction to CADD	CADD	1100	5		
English Composition I (AAS Only)	ENGL	1010	3		
Introduction to Computer Technology	CSCI	1010	3		
SEMESTER CREDIT HOURS			12/15		

SECOND SEMESTER (SPRING)					
Advanced CADD	CADD	1200	5		
CTS – Engineering Aide II			17		
Introduction to Public Speaking or Basic Drawing (AAS Only)	SPCH ARTS	1200 2100	3		
College Algebra (AAS Only)	MATH	1100	3		
Job Seeking Skills	JOBS	2450	2		
Plant Safety	PTEC	2030	3		
SEMESTER CREDIT HOURS			10/16		

THIRD SEMESTER (FALL)					
Introduction to Drafting Disciplines	DRFT	1300	4		
3-D CADD Concepts	CADD	1300	4		
Plant Equipment	PTEC	1610	3		
Physical Science I (AAS Only)	PHSC	1010	3		
Physical Science I Lab (AAS Only)	PHSC	1010L	1		
SEMESTER CREDIT HOURS			15		

FOURTH SEMESTER (SPRING)					
Advanced Drafting Disciplines	DRFT	1500	4		
Plant 3D and BIM	CADD	1700	5		
TEC Elective*	See list below		3		
Approved Elective ** (AAS Only)	See list below		3		
SEMESTER CREDIT HOURS			12/15		
TD – Drafting & Design Technology			45		
AAS - DRAFTING & DESIGN TECHNOLOGY			61		

***TEC Electives:**

- PTEC 2070, Statistical Quality Control
- DRFT 2999, Cooperative Education

****Approved Electives:**

- ECON 2010, Macroeconomics or ECON 2020, Microeconomics
- POLI 1100, American Government
- PSYC - any psychology
- SOCL – any sociology
- ANTH 1003, Intro to Cultural and Social Anthropology
- HIST 1010, History of Western Civilization I

DRAFTING & DESIGN TECHNOLOGY

Drafting & Design Technology (DDT) prepares students for a successful career as a professional drafter who will be equipped with the advanced skills necessary to quickly advance to the level of senior technical designer. In addition to basic and advanced CADD skills, students are trained in 3D CADD applications and professional-level advanced programs such as Revit, Inventor, and the highly sought-after Plant 3D. Students also learn valuable general industry skills such as project management, industrial safety, and statistical quality control. We take that "extra mile" that makes employers take particular notice of RPCC Drafting & Design graduates.

To earn an Associate of Applied Science in Drafting and Design Technology, a student must:

- satisfy all developmental requirements(refer to Placement Chart).
- schedule classes according to Pre-requisite Chart and using the semester-by-semester guide.
- successfully complete the 60 credit-hour curriculum, passing all classes with a "C" or better.

PLACEMENT CHART

READING

ACT	Compass	Course Placement
0-15	0-79	READ 0090

ENGLISH/WRITING

ACT	Compass	Course Placement
	0-37	ENGL 0090
	38-67	ENGL 0091
18	68-90	ENGL 1010
29	91-100	ENGL 1020 (w/essay approval)

MATH

ACT	Compass	Course Placement
	0-100 Pre-Algebra 0-45 Algebra	MATH 0093
	46-65 Algebra 0-25 College Algebra	MATH 0094
19	66-100 Algebra 26-45 College Algebra	MATH 1100

PRE-REQUISITES

Course	Pre-requisites or Concurrent Enrollment* Requirement
CADD 1100, Introduction to CADD	Concurrent enrollment: DRFT 1000 and CSCI 1010
CADD 1200, Advanced CADD	Pre-requisite: CADD 1100
DRFT 1300, Introduction to Drafting Principles	Pre-requisites: DRFT 1000, PRNT 1000, CADD 1200
CADD 1300, 3-D CADD Concepts	Pre-requisite, CADD 1200
DRFT 1500, Advanced Drafting Principles	Pre-requisite: DRFT 1300
CADD 1710, 1720, 1730 Special Projects	Pre-requisite: CADD 1300

***Concurrent Enrollment = course(s) must be taken before or at the same time as the designated course.**
Pre-requisite = course(s) must be taken before the designated course.

