



**Associate of Applied Science
COMPUTER AIDED DRAFTING**

When you successfully complete this program you will be prepared for entry level CAD positions in engineering, architectural, construction, or surveying firms.

GENERAL EDUCATION REQUIREMENTS (22-23 crs)

**COMPLETED Planned Timeline
(By Semester)**

Communications (6 crs)

ENG 111 English Composition I (3)

Pre-requisites: ENG 109 or adequate score on the Course Placement Evaluation, and

Choose one of the following three courses:

ENG 112 English Composition II (3)

Pre-requisite: ENG 111

ENG 116 Technical Writing (3)

Pre-requisite: ENG 111

SPCH 130 Public Speaking (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Math/Computers/Lab Sciences (10-11 crs)

BCIS 102 Computer Literacy (3)

MATH 130 College Algebra (3)

Pre-requisite: MATH 102 or adequate score on the Course Placement Evaluation

Elective: ENGR 110 or PHYS 110/L or PHYS 121/L, or other approved math, science, or engineering courses (3-4)

Social/Behavioral Sciences (3 crs)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Choose from the following discipline areas: Anthropology, Economics, Geography, Political Science
Psychology, or Sociology

Elective (3)

Humanities and Fine Arts (3 crs)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Choose from the following discipline areas: Art (theory only), History, Humanities, Literature, Music (theory only)
Philosophy, or Theatre (theory only)

Elective (3)

HEALTH, PHYSICAL EDUCATION & RECREATION (1 CRS)

Elective (1)

PROGRAM REQUIREMENTS

General Drafting (45 crs)

DRFT 100 Computer Aided Drafting I (4)

DRFT 101 Residential CAD I (4)

Pre-requisite: DRFT 100

DRFT 102 Mechanical Engineering CAD I (4)

Pre-requisite: DRFT 100

DRFT 103 Surveying and CAD Mapping I (4)

Pre-requisites: DRFT 100, MATH 100, and ENG 108

DRFT 110 GIS/GPS (3)

DRFT 111 Commercial Building CAD (4)

Pre-requisites: DRFT 101, and MATH 100 and ENG 108

DRFT 112 Mechanical Engineering CAD II (4)

Pre-requisites: DRFT 102, MATH 100, and ENG 108

DRFT 113 Surveying and CAD Mapping II (4)

Pre-requisite: DRFT 103 and MATH 102

DRFT 199 Job Skills (1)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

DRFT 209 Computer Aided Drafting II (3)

Pre-requisites: DRFT 100

Electives (2 crs): Choose from DRFT, CONS, VC, ENGR, CT/CS/IT, PHYS, or WELD.

Choose **two** of the following three courses:

DRFT 201 Residential CAD II (4) _____

Pre-requisites: DRFT 101

DRFT 202 Mechanical Engineering CAD III (4) _____

Pre-requisites: DRFT 112

DRFT 203 Civil Engineering CAD (4) _____

Pre-requisite: DRFT 113

TOTAL CREDIT HOURS 70-71

Educational Planning Form (Semester)

Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units
Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units
Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units