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)**

### 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 I (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-requisite: 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-requisites: DRFT 113

TOTAL CREDIT HOURS 70-71

### Educational Planning Form (Semester)

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