

TECHNICAL DRAFTING OPTION (ONE-YEAR), CERTIFICATE OF SPECIALIZATION

Banner code: 2_CE_TD

Financial aid: Not eligible

This is a two-semester program that will prepare the student for an entry-level job in Technical or Mechanical Drafting. Training concentrates on basic drafting and computer practice, which provide experiences in applying technical skills to practical problems. Acquired skills include precision dimensioning, basic working drawings, and computer-aided drafting. Courses are designed and offered to provide for completion within one year.

Program Level Learning Outcomes

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

1. Use Computer Aided and Manual drafting methods to create a variety of presentation drawings as found in industry.
2. Use Engineering organization standards, technical vocabulary and industry conventions of working drawings for mechanical, structural, and industrial project types.
3. Develop viable computer skills by using current CAD and 3D CAD software applications to create drafting drawings, presentation graphics and 3D design image models for project solutions.
4. Develop resource skills to understand manufacturing material systems, sustainable trends and manufacturing machinery for a variety of project types.

Certificate Of Specialization Requirements

This certificate focuses on the student gaining competency in a skill so that the student can quickly move into the workplace. There is emphasis on updating or newly emerging technologies and the coursework for the Certificate of Specialization must be under 18 units. This certificate is not approved by the State and there is no acknowledgment of completion given at graduation, and is not recorded on a transcript. In order to earn a Certificate of Specialization all courses that apply to the certificate must be completed with a minimum grade of "C" in each course unless otherwise stated. Fifty percent of the certificate program must be completed at GWC.

It is suggested that courses be taken in the order they are listed in order to achieve maximum advantage of course content and success in program.

Course	Title	Units
DRAF G101	Basic Computer Aided Design Drafting	4
DRAF G105	Basic Engineering Drafting I, Computer Aided Drafting	3
MATH G030	Intermediate Algebra	4
DRAF G090	CAD Drafting Laboratory	0.5
Total Units		11.5