

COMPUTER AIDED DESIGN AND DRAFTING, ASSOCIATE IN ARTS DEGREE

Banner code: 2_AA_DRAFT

Financial aid: Eligible

This program prepares students for careers in the Mechanical, Electrical, Industrial, Civil or Architectural drafting fields. Students will utilize the latest CAD systems to design and develop their assignments. Opportunities for employment are available in many related commercial companies.

By completing the requirements of the Certificate of Achievement in Computer Aided Design and Drafting, students will be able to also satisfy the A.A. Degree requirements for a major in Computer Aided Design and Drafting.

Program Level Learning Outcomes

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

1. Develop competency in basic drafting, enabling them to pursue careers in engineering, professional arenas, or to further their academic pursuits.
2. Have practical experience in Computer Aided Drafting and Design.
3. Demonstrate an understanding of Engineering and Mechanical CAD Drafting and 3D Design.

Associate Degree Graduation Requirements

(See GWC website (<http://www.goldenwestcollege.edu>) for the most up-to-date information on Associate Degree Requirements (<https://catalog.cccd.edu/golden-west/general-education/associate-degree/>).

1. Completion of General Education Requirements by one of the following methods:
 - a. Completion of a minimum of 18 units as listed under Areas A through E, including the Cultural Diversity Requirement.
 - b. Completion of a minimum of 39 units of CSU General Education requirements. Students who complete this pattern are also eligible to receive the Certificate of Achievement in CSU General Education Breadth (<https://catalog.cccd.edu/golden-west/general-education/csu-ge/>).
 - c. Completion of a minimum of 34 (UC) or 37 (CSU) units of Intersegmental General Education Transfer Curriculum (IGETC) requirements. Students who complete this pattern are also eligible to receive the Certificate of Achievement in IGETC (<https://catalog.cccd.edu/golden-west/general-education/igetc/>).
2. Completion of a Major or Area of Emphasis—a minimum of 18 units.
3. Completion of additional elective units to a total of 60 units.
4. 2.0 overall Grade Point Average at GWC and 2.0 overall Grade Point Average for all colleges attended.
5. At least 12 units completed at GWC.

Students should consult a GWC counselor in order to select the best pathway to meet their educational goals. For students who intend to

transfer, the choice of general education will be specific to both their major and transfer institution.

Course	Title	Units
Required Courses		
DRAF G101	Basic Computer Aided Design Drafting	4
DRAF G105	Basic Engineering Drafting I, Computer Aided Drafting	3
DRAF G110	Basic Engineering Drafting II, Computer Aided Drafting	3
DRAF G090	CAD Drafting Laboratory	3
DRAF G170	Advanced 3D Mechanical Design	3
MATH G030	Intermediate Algebra	4
Major Total		20
GE Pattern (Local, CSU GE-Breadth, or IGETC)		18-39
Total Units		60