COMPUTER AIDED DESIGN AND DRAFTING

School of Arts, Communication, Design, and Media
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Map: https://goo.gl/maps/C4E3PnKsdU92 (https://goo.gl/maps/C4E3PnKsdU92/)

General Description

Designed to provide students with the skills and technical knowledge requested by employers using Computer Aided Design and Drafting (CADD) in a variety of disciplines. This program focuses on the development of CADD skills and problem-solving strategies in the development of two- and three-dimensional models. Additional engineering options allow students to acquire advanced CADD skills in areas of special interest.

The CADD technology associate in science degree prepares the student for various job opportunities in a wide variety of disciplines. There is an increasing demand for competent engineering technicians knowledgeable in the use and application of CADD software. Students planning to enroll in a four-year college engineering program will benefit greatly by developing CADD skills used in most engineering departments.

Career Options

Below is a sample of the career options available for the computer aided design major. Some require a certificate of achievement and most require an associate in science degree: mechanical, aeronautical, structural, and civil engineering. New areas of use can be found in animation, simulation, and theatrical departments. While drafting boards are still in use, a large number of companies have integrated drafting boards with monitors and computers, requiring that today's engineers, designers, and draftsmen possess both essential drafting and CADD competencies.

Degree/Certificate Options	Major Code
Associate in Science Degree: Career/Technical	
Computer Aided Design and Drafting (http://catalog.swccd.edu/associate-degree-certificate-programs/computer-aided-design-drafting/computer-aided-design-drafting-as/)	A2571
Design Technology (http://catalog.swccd.edu/associate-degree-certificate-programs/computer-aided-design-drafting/design-technology-as/)	A2572
Certificates of Achievement	
Computer Aided Design and Drafting---Advanced (http://catalog.swccd.edu/associate-degree-certificate-programs/computer-aided-design-drafting/computer-aided-design-and-drafting-advanced-certificate/)	A2576
Design Technology (http://catalog.swccd.edu/associate-degree-certificate-programs/computer-aided-design-drafting/design-technology-certificate/)	A2577
Certificate of Proficiency	
Computer Aided Design and Drafting---Basic (http://catalog.swccd.edu/associate-degree-certificate-programs/computer-aided-design-drafting/computer-aided-design-and-drafting-basic-certificate/)	02569

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.