



21250 Stevens Creek Blvd.
Cupertino, CA 95014
408-864-5678
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Academic Year
2014 - 2015

Computer Aided Design (CAD)

CDI Coordinator
408-864-5648

Business & Computer
Systems Division
Bldg. L1 Rm. L14
408-864-8797

Counseling Center
Student & Community
Services Bldg. 2nd Fl.
408-864-5400

Career Services Info.
Student & Community
Services Bldg. 2nd Fl.
408-864-5400

Certificate of Achievement Level Requirements

A minimum "C" grade in each major course.

Note: A maximum of six (6) quarter units may be transferred from other academic institutions.

Major courses for certificates and degrees must be completed with a letter grade unless a particular course is only offered on a pass/no-pass basis.

Computer Aided Design - Mechanical

Certificate of Achievement

Students pursuing De Anza College's Computer Aided Design Certificate of Achievement will receive education in the fundamentals of CAD that combines the use of two types of design graphic software packages. Students will learn substantive job skills Creo and SolidWorks CAD systems that will make them employable in industrial and mechanical engineering and design.

Student Learning Outcomes - upon completion, students will be able to:

- solve basic and complex drafting and design application problems using industry standard two-dimensional and three-dimensional software and feature-based parametric design software.
- apply the fundamentals of computer-aided drafting and design to disciplines such as architectural, mechanical, and industrial design and engineering.
- utilize industry standard microcomputer CAD software and the hardware, operating systems and peripherals used to facilitate it.
- create engineering notes and scaled drawings using ASME and/or International Standards Organization (ISO) specifications.
- satisfy a prospective employer with quality technical expertise in the use of two CAD tools (SolidWorks and Creo) at a level commensurate with entry- to mid-level usage in industry design and engineering.

1. Meet the requirements for this certificate level.
2. Complete the following.

CDI 51	Geometric Dimensioning and Tolerancing	2
CDI 60	SolidWorks (Beginning)	4
CDI 61	SolidWorks (Intermediate)	4
CDI 70	Creo Parametric (Beginning)	4
CDI 71	Creo Parametric (Intermediate)	4
	Total Units Required	18