

# DESIGN TECHNOLOGY

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## Certificate of Achievement

Career/Technical (Major Code: A2577)

Designed to provide the student with a background in several design technologies. The program trains the student in use of drafting software, mechanical design software, and 3D animation software. Prepares the student for work as a Computer-Aided- Design Technician or a Computer-Aided Design and Drafting Operator by increasing the skills and technical knowledge requested by employers using CADD technologies.

### Program Student Learning Outcomes

- Students will create a rendered animation with multiple sequences combined into single video file.
- Design a 3-dimensional solid model of a machine part from a dimensioned drawing using sketches, parameters, and constraints

## Gainful Employment

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: [www.swccd.edu/gainfulemployment](http://www.swccd.edu/gainfulemployment) (<http://www.swccd.edu/gainfulemployment/>).

Code	Title	Units
<b>Program Requirements</b>		
CAD 220	INTRO TO CAD/CAM SYSTEMS	3
CAD 222	CAD MECHANICAL DESIGN I	3
CAD 230	INTRODUCTION TO SOLIDWORKS	3
CAD 231	SOLIDWORKS II	3
CAD 273	3D MODELING USING MAYA	3
CAD 274	3D ANIMATION USING MAYA	3
<b>Total Units</b>		<b>18</b>