

COMPUTER AIDED DESIGN AND DRAFTING---ADVANCED

Certificate of Achievement
Career/Technical (Major Code: A2576)

Class provides students an opportunity to further examine, learn, and apply CAD skills as they relate to mechanical design and drafting.

Program Student Learning Outcomes

- Organize and print different types of views used in mechanical design.
- Analyze drawings and modify to meet industry required standards.
- Use technical documents student will evaluate mechanical drawings for errors.

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/>).

Code	Title	Units
Program Requirements		
CAD 220	INTRODUCTION TO CADD/CAM SYSTEMS	3
CAD 222	CAD MECHANICAL DESIGN I	3
CAD 230	INTRODUCTION TO SOLIDWORKS	3
CAD 223	CAD DETAILING AND DIMENSIONING	3
CAD 224	CAD MECHANICAL DESIGN II	3
ENGR 110	ENGINEERING DESIGN AND GRAPHICS	3
MATH 104	TRIGONOMETRY	3
Total Units		21