

DRAFTING/CAD, ASSOCIATE OF SCIENCE (AS)

Overview

The Drafting Program at Santa Barbara City College focuses on application of state-of-the-art Computer-Aided Design Systems and applying engineering and architectural principles, fundamentals, and methods to achieve practical results. This degree program offers comprehensive training for entry-level drafting positions as well as providing students with technical knowledge and skills for transfer to upper division programs at four-year institutions.

Requirements

Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (<https://catalog.sbccc.edu/archive/2022-2023/degrees-certificates-awards/#associatedegree-text>) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

Code	Title	Units
Department Requirements		
DRFT 101	Basic Drafting	3
DRFT 130	Computer-Assisted Drafting And Design I	5
DRFT 131	Computer-Assisted Drafting And Design II	5
Complete 15 units of Drafting electives from the following:		15
¹		
DRFT 120	Architectural Drafting I	
DRFT 121	Architectural Drafting II	
DRFT 124	Architectural Rendering I	
DRFT 125	Architectural Rendering II	
DRFT/EH 126	Landscape Drafting I	
DRFT/EH 127	Landscape Drafting II	
DRFT 129		
DRFT 132	Building Information Modeling with Revit ® - I	
DRFT 290	Work Experience In Drafting ¹	
DRFT 299	Independent Study In Drafting	
ENGR 105	Engineering Graphics	
MAT 136	Introduction to 3D Animation	

MAT 137	Visual Effects for Film, Television and Gaming	
MAT 138	3-D Character Animation	
Complete 3 units of Controlled Electives from the above list of Drafting Electives or from the following: ¹		3
ENGR 115	Statics And Strength Of Materials	
ENGR 117	Electronic Circuits ²	
ENGR 117L	Electronic Circuits Laboratory	
Total Units		31.00

¹ DRFT 290 may be taken up to four times for a maximum of 4 units each time. Students may use a maximum of 16 units of DRFT 290 to satisfy the 18 units of drafting and controlled electives required for the degree.

² ENGR 140 will also satisfy this requirement.

Learning Outcomes

1. Ability to prepare and understand technical drawings.
2. Ability to use computer software to generate technical drawings.
3. Obtain occupational knowledge and skills related to drafting.
4. Understand methods, materials and technical skills related to design and construction.

Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (<https://www.sbccc.edu/counselingcenter/counselingappointments.php>).