

CONSTRUCTION TECHNOLOGY, ASSOCIATE OF SCIENCE (AS)

Overview

The need for residential and commercial construction is a fact of every society. With local, state, and national infrastructure (creation and maintenance) falling behind, the construction trades will more and more be in demand. With the "Green" or Sustainability direction the country is going in now, training in green job skills is imperative. And with the recent application of building science to the construction industry, new building performance standards will have to be learned by all workers, contractors, and designers.

Santa Barbara City College's Construction Technology Department offers comprehensive training for entry level positions in industry, mid-level and advanced training for incumbent workers, and green building and building science training for architects contractors, and those entering the construction trades. Full credit is granted for each course successfully completed. Students who complete the 41.1 units of required Construction Technology courses earn a Certificate of Achievement in Construction Technology.

Those who also complete Institutional and General Education course requirements earn the Associate in Science degree in Construction Technology. The department offers all courses with an open-door policy- both for majors and non-majors.

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.sbcc.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		
CT 110	Beginning Construction	4.7
CT 111	Beginning Construction Trades	4.7
CT 112	Framing	3
CT 113	Roof Framing	3
CT 114	Beginning Finish Carpentry	3

CT 115	Intermediate Finish Carpentry	3
CT 116	Blueprint Reading	3
CT 118	Measuring and Calculating	3
CT 122	Building Green	6
CT 124	Building Performance	3
Total Units		36.40

Learning Outcomes

1. Demonstrate knowledge of component systems of typical residence.
2. Build a typical construction structure (wall, roof, cabinet, etc.).
3. Install typical construction trim (fascia, base, crown, etc.).
4. Demonstrate understanding of the necessity and components of building science and green building.
5. Use construction tools safely and efficiently.

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.sbcc.edu/counselingcenter/counselingappointments.php>).