

ASSOCIATE OF SCIENCE IN CONSTRUCTION TECHNOLOGY (AS)

This degree prepares students for entry-level employment in the field of Construction Technology through the study of project management utilizing computer-driven estimating, plan reading, scheduling, and budget control processes. Students will acquire skills in basic construction management, knowledge of basic building codes and code authority enforcement, basic concepts of building systems, construction plan reading and development, knowledge of computer programs utilized in managing construction projects and managing quality in construction.

Program Outcomes

- Demonstrate abilities to describe construction components and apply necessary skills for their respective applications.
- Demonstrate safe and proper methods of operation of construction-related power tools.
- Identify the chronological steps of construction in residential applications for scheduling subcontractors ordering materials.

Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment in the following fields: assisting construction managers, materials take-off and assisting materials estimators, drafting plans, entry-level carpenters, entry-level finish installer, entry-level concrete installers, retail sales, outside sales for building materials or services, entry-level building inspector.

Note

This degree is not designed for transfer; however, the courses included in this degree may be transferable and apply to other degrees designed for transfer.

Program Requirements

Code	Title	Units
GENERAL EDUCATION AND SUBJECT REQUIREMENTS		25
College of the Sequoias' Associate Degree General Education (COS-GE)		
+		
REQUIRED MAJOR COURSES		28
CT 100	Const Draw & Design Analysis 1	4
CT 101	Const Draw & Design Analysis 2	4
CT 105	Computer Asst. Const. Theory	4
CT 220	Construction Practices 1	3
CT 221	Construction Practices 2	3
CT 222	Construction Practices 3	3
CT 223	Construction Practices 4	3
CT 250	Basic Carpentry/Const Practice	4
+		
RESTRICTED ELECTIVES		6-7
Select two of the following courses:		
CT 109	Residential Codes and Inspect	3

CT 132	Basic Building System & Codes	3
CT 205	Plumbing Installation & Design	3
CT 262	Cabinet and Furniture Const.	4
CT 270	Residential Wiring	3
+		
ELECTIVES		0-1
Select additional degree applicable courses numbered 1-299 to achieve 60 units.		
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TOTAL		60

The Associate Degree requirements include completion of the:

1. Required major courses and restricted elective courses with a "C" or better grade in each course (required and restricted elective courses may be substituted with the approval of the Division Chair),
2. General Education requirements,
3. Subject requirements including PE, Health & Wellness, and American Institutions, and
4. A minimum of 60 units of degree applicable courses numbered 1-299, at least 12 of which must be taken in residence at College of the Sequoias, with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).