

CONSTRUCTION TECHNOLOGY (CT)

About the program

Programs in this field provide general and specific educational opportunities for students seeking careers related to residential and commercial building construction, historic preservation and restoration, and practical and artistic woodworking skills and techniques. The AS Degree in Construction is accredited by the Association for Technology, Management and Applied Engineering (ATMAE).

Degrees/Certificates within this Program:

- Associate of Science Degree, Construction Technology
- Certificate of Achievement, Residential Construction I
- Certificate of Achievement, Residential Construction II
- Certificate of Recognition, Residential Wiring
- Certificate of Achievement, Cabinetmaking and Millwork
- Certificate of Achievement, Electrician Trainee
- Certificate of Achievement, Fine Woodworking I
- Certificate of Achievement, Fine Woodworking II
- Certificate of Recognition, Solar Thermal Technician
- Certificate of Recognition, Solar Photovoltaic Technician

Similar Degrees/Certificates offered at CR:

- Associate of Science Degree, Drafting and 3D Modeling
- Certificate of Achievement, Drafting and 3D Modeling

Career Opportunities

Employment opportunities in this field include:

- Carpenter
- Construction Supervisor
- Building Contractor
- Building Inspector
- Construction Estimator
- Cabinetmaker
- Electrician
- Construction Laborer

For more information

- Derek Glavich, Construction Technology
707-476-4344 | derek-glavich@redwoods.edu
- www.redwoods.edu/constructiontech
- Career & Technical Division, 707-476-4341
- Counseling & Advising, 707-476-4150

Certificate of Achievement, Electrician Trainee

Program Requirements	Units
CET 10 Survey of Electronics	3.0
CET 10L Electronics Lab	1.0
CT 25 OSHA Construction Safety	1.5
CT 32 Photovoltaic System Design and Installation	1.0
CT 72 Electrical Codes	2.0
CT 78A Residential Wiring I	2.0
CT 78B Residential Wiring II	2.0
CT 78C Residential Wiring III	2.0
CT 78D Residential Wiring IV	2.0
DT 23 Engineering Design Graphics	3.0
HE 7 Emergency Response: First Aid/CPR/AED	2.0
MATH 120 Intermediate Algebra	4.0
Total Units	25.5

Suggested Program Sequence

Fall Start

Semester 1 CT 78A, CT 25, DT 23

Semester 2 CT 78B, CT 72, CT 32

Semester 3 CT 78C, CET 10, CET 10L, HE 7

Semester 4 CT 78D, MATH 120

Program Learning Outcomes

- Prepared to pass state of California certification examinations.
- Attain general electrical construction, maintenance and control knowledge.
- An understanding of maintenance and repair procedures of basic electrical systems.
- The ability to perform basic code and trade standard duties to support the proper operation of electrical systems.
- An awareness of State and Federal regulations that drive the electrical industry, and the role of the electrician in protecting public safety and property from the hazards of electricity.