

Palo Verde College

Program Outline Report

Program Basics

Program Title:

Building Construction Technology
Associate of Science

Program Status:

Active from 2025-2026 Fall (2025FA)

Department:

Bldg Construction Tech

Award Type:

A.S. Degree Major (Credit)

Program/Catalog Description

The Building Technology program provides students with a basic background in the management of construction projects. Students will find employment in the broad spectrum of opportunities available in the construction industry. The program also provides continuing education for those already employed as contractors, site superintendents, project managers, estimators, and other areas related to construction.

Control Number:

16369

Credential ID:

No value

Transferability:

No value

(SP01) Program TOP Code:

0952.00

(SP01) Program TOP Code:

Construction Crafts Technology

(SP02) Student Program Award:

Associate of Science (A.S.) degree

Maximum Credits:

69

Minimum Credits:

64

Curriculum Committee Approval Date:

04/10/2025

Board of Trustees Approval Date:

05/13/2025

External Review Approval Date:

05/13/2025

Proposal Details

Proposal Start:

2025-2026 Fall (2025FA)

What changes have been made to the program:

Updated units due to CalGETC

Program Justification:

No value

Submission Rationale

No value

Program Requirements

Building Construction Technology Associate of Science (Total 64-69)

Complete all of the following

Required Core Courses (Total 24)

Complete the following number of credits: 24

BCT100 - Introduction to Building Trades	3
BCT101 - Rough Carpentry	3
BCT110 - Blueprint Reading	3
BCT112 - Basic Electricity	3
BCT113 - Basic Plumbing	3
BCT200 - Cabinetry I	3
BCT201 - Cabinetry II	3
BCT210 - Interior Trim Carpentry	3

Building Construction Technology Electives – (Choose a minimum of two courses from the list below) (Total 6-7)

Complete the following number of credits: 6-7

BCT102 - Advanced Framing Techniques	3
BCT116 - Basic House Wiring Theory	3
BCT117 - Residential Plumbing Theory	3
BCT202 - Finish Cabinetry	3
BCT203 - Photovoltaic Installation Theory	4

In addition to the Core Courses required for the A.S. Degree in Building Construction Technology, students will also be required to meet the CalGETC General education Requirements

34-38

Recommended Sequences

No value

Program Outcomes

Building Construction Technology Associate of Science

PSLO	Performance
1. Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences and self-development in preparation for an occupation, and possible transfer to a four-year institution.	70
2. Acquired knowledge and skill in the organization for the trades of building construction projects.	70

Program Narrative

Narrative Item 1. Program Goals and Objectives

The program of studies in Building Technology is designed to provide comprehensive occupational training in the skills and methods used in the construction industry. Students will be taught the manipulative skills and the technical knowledge in blueprint reading, carpentry, electricity and plumbing required to qualify for employment in the construction industry. Examples of employment positions student may pursue include, but are not limited to general construction, carpentry, construction manager/supervisor, maintenance and repair.

Narrative Item 2. Catalog Description

The Building Technology program provides students with a basic background in the management of construction projects. Students will find employment in the broad spectrum of opportunities available in the construction industry. The program also provides continuing education for those already employed as contractors, site superintendents, project managers, estimators, and other areas related to construction.

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of the A.S. Degree in Building Construction Technology program students will have:

1. Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences and self-development in preparation for an occupation, and possible transfer to a four-year institution.
 2. Acquired knowledge and skill in the organization for the trades of building construction projects.
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Narrative Item 3. Program Requirements

BUILDING CONSTRUCTION TECHNOLOGY A.S. DEGREE

Core Courses	Title	Units
BCT 100	Introduction to Building Trades	3
BCT 101	Rough Carpentry	3
BCT 110	Blueprint Reading	3
BCT 112	Basic Electricity	3
BCT 113	Basic Plumbing	3
BCT 200	Cabinetry I	3
BCT 201	Cabinetry II	3
BCT 210	Interior Trim Carpentry	3
Building Construction Technology Electives – (Choose a minimum of two courses from the list below)		
BCT 102	Advanced Framing Techniques	3
BCT 116	Basic House Wiring Theory	3
BCT 117	Residential Plumbing Theory	3
BCT 202	Finish Cabinetry	3
BCT 203	Photovoltaic System Theory	4
Total Required Units		30-31

In addition to the Core Courses required for the A.S. Degree in Building Construction Technology, students will also be required to meet the Associate Degree Requirements and the General Education Requirements.

Proposed Course Sequence: AS Degree in Building Technology.

Term	Course	Units	Major	GE
1	GE Course	3-4		x
1	GE Course	3		x
1	BCT 100 Introduction to Building Trades	3	x	
1	BCT 101 Rough Carpentry	3	x	
1	BCT 110 Blueprint Reading	3	x	
TERM 1 TOTAL UNITS		15-16		
2	GE Course	3		x
2	GE Course	3		x
2	GE Course	3		x
2	GE Course	3		x
2	BCT 112 Basic Electricity	3	x	
TERM 2 TOTAL UNITS		15		
3	GE Course	3-4		x
3	GE Course	3		x
3	BCT 113 Basic Plumbing	3	x	
3	BCT 200 Carpentry I	3	x	
TERM 3 TOTAL UNITS		12-13		
4	BCT 201 Carpentry II	3	x	
4	BCT 210 Interior Trim Carpentry	3	x	
4	Program Electives (2 BCT courses not used as a Core course)	6-7	x	
TERM 4 TOTAL UNITS		12-13		
	Required Units for Major:	30-31		
	Completion of General Education Requirements	34-38		

	Electives (if needed)	6		
	TOTAL REQUIRED UNITS:	64-69		

Narrative Item 4. Master Planning (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 5. Enrollment and Completer Projections (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 6. Place of Program in Curriculum/Similar Programs (Not needed for Certificates of Career Preparation)

No Value

Narrative Item 7. Similar Programs at Other Colleges in Service Area (Not needed for Certificates of Career Preparation)

No Value

LMI and Analysis

No Value

Advisory Committee Recommendations (Not needed for Certificates of Career Preparation)

No Value

Regional Consortia Recommendations (Not needed for Certificates of Career Preparation)

No Value