

Palo Verde College

# Program Outline Report

Program Basics

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program Title:                      | Fundamentals of Construction Certificate of Career Preparation                                                                                                                                                                                                                                                                                                                                   |
| Program Status:                     | Active from 2025-2026 Fall (2025FA)                                                                                                                                                                                                                                                                                                                                                              |
| Department:                         | Bldg Construction Tech                                                                                                                                                                                                                                                                                                                                                                           |
| Award Type:                         | Certificate of Career Preparation (Credit)                                                                                                                                                                                                                                                                                                                                                       |
| Program/Catalog Description         | The Fundamentals of Construction Certificate Program addresses common skills necessary in the construction trades. This includes coursework focusing on maintaining and servicing residential electrical systems as well as plumbing. This certificate program explores construction techniques that involve assembling projects from many different arrays of materials from brick to concrete. |
| Control Number:                     | No value                                                                                                                                                                                                                                                                                                                                                                                         |
| Credential ID:                      | No value                                                                                                                                                                                                                                                                                                                                                                                         |
| Transferability:                    | No value                                                                                                                                                                                                                                                                                                                                                                                         |
| (SP01) Program TOP Code:            | 0952.10                                                                                                                                                                                                                                                                                                                                                                                          |
| (SP01) Program TOP Code:            | Carpentry                                                                                                                                                                                                                                                                                                                                                                                        |
| (SP02) Student Program Award:       | Certificate requiring 6 to fewer than 18 semester units (not approved by Chancellor’s Office)                                                                                                                                                                                                                                                                                                    |
| Maximum Credits:                    | 12                                                                                                                                                                                                                                                                                                                                                                                               |
| Minimum Credits:                    | 12                                                                                                                                                                                                                                                                                                                                                                                               |
| Curriculum Committee Approval Date: | 11/14/2024                                                                                                                                                                                                                                                                                                                                                                                       |
| Board of Trustees Approval Date:    | 12/17/2024                                                                                                                                                                                                                                                                                                                                                                                       |
| External Review Approval Date:      | 12/17/2024                                                                                                                                                                                                                                                                                                                                                                                       |

Proposal Details

|                                             |                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------|
| Proposal Start:                             | 2025-2026 Fall (2025FA)                                                          |
| What changes have been made to the program: | Adding BCT 205 as an "OR" option for BCT 102                                     |
| Program Justification:                      | Developing Certificate Programs that are stackable and be completed in one year. |

Submission Rationale

No value

Program Requirements

Required Courses (Total 12)

**Complete all of the following**

|                                                    |   |
|----------------------------------------------------|---|
| BCT112 - Basic Electricity                         | 3 |
| BCT113 - Basic Plumbing                            | 3 |
| BCT212 - Masonry Construction                      | 3 |
| <b>Required Courses (Total 3)</b>                  |   |
| <b>Complete the following number of credits: 3</b> |   |
| BCT102 - Advanced Framing Techniques               | 3 |
| BCT205 - Equipment Operations                      | 3 |

**Recommended Sequences**

**New Sequence**

**Term 1 (Total 3)**

**Required Courses (Total 3)**

**Take one of the following**

|                                      |   |
|--------------------------------------|---|
| BCT112 - Basic Electricity           | 3 |
| BCT102 - Advanced Framing Techniques | 3 |
| BCT205 - Equipment Operations        | 3 |

**Term 2 (Total 3)**

**Required Courses (Total 3)**

**Take one of the following**

|                               |   |
|-------------------------------|---|
| BCT113 - Basic Plumbing       | 3 |
| BCT212 - Masonry Construction | 3 |

**Program Outcomes**

**Fundamentals of Construction Certificate of Career Preparation**

| PSLO                                                                                                                                                                                                   | Performance |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Safely Operating Industry Tools: Upon successful completion of the courses in this program, students will be able identify and safely operate tools commonly used in the Building Construction Trades. | 70          |

**Program Narrative**

**Narrative Item 1. Program Goals and Objectives****PROGRAM GOAL**

To prepare students for an entry-level career in the residential and light commercial construction fields.

**OBJECTIVES**

Students must be able to recognize construction terms and material and be able to participate in the layout and construction of a residential structure.

Demonstrate an understanding of work ethic, and complete jobs in a safe and timely manner.

<https://labormarketinfo.edd.ca.gov/data/employment-projections.html#Long>

**Narrative Item 2. Catalog Description**

The Fundamentals of Construction Certificate Program addresses common skills necessary in the construction trades. This includes coursework focusing on maintaining and servicing residential electrical systems as well as plumbing. This certificate program explores construction techniques that involve assembling projects from many different arrays of materials from brick to concrete.

**Narrative Item 3. Program Requirements**

| <b><u>FALL</u></b> |  | <b><u>Units</u></b> |
|--------------------|--|---------------------|
|--------------------|--|---------------------|

|         |                   |   |
|---------|-------------------|---|
| BCT 112 | Basic Electricity | 3 |
|---------|-------------------|---|

|                    |                                          |   |
|--------------------|------------------------------------------|---|
| BCT 102 OR BCT 205 | Advanced Framing or Equipment Operations | 3 |
|--------------------|------------------------------------------|---|

| <b><u>SPRING</u></b> | <b><u>Units</u></b> |
|----------------------|---------------------|
|----------------------|---------------------|

|         |                |   |
|---------|----------------|---|
| BCT 113 | Basic Plumbing | 3 |
|---------|----------------|---|

|         |         |   |
|---------|---------|---|
| BCT 212 | Masonry | 3 |
|---------|---------|---|

**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