

# HISTORIC PRESERVATION & RESTORATION

## CAREER PATHWAY CERTIFICATE OR ONE-YEAR CERTIFICATE OR ASSOCIATE OF APPLIED SCIENCE DEGREE

This program prepares individuals for work in the building trades with an emphasis on the preservation and restoration of historic and vintage residential and commercial buildings. The program offers both historic preservation theory and practical hands-on construction techniques. Students gain the necessary knowledge, skills and work habits to successfully plan, then renovate and/or restore structures in historically accurate ways utilizing both traditional and modern materials and techniques. Graduates will be able to work as remodelers, carpenters, subcontractors and general contractors.

### Employment Opportunities

The job outlook for Remodeling and Restoration, Historic Preservation, and Construction is good locally, regionally and nationally. Job opportunities are available with contractors, remodelers, local historical societies, and city and county governments. Demand is greatest for those who have a well-rounded understanding of the organization, terminology, customer service, and activities of the business.

### Potential Earnings

The pay rate for carpenters in Oregon averages about \$22/hour. Historic restoration expertise often commands premium remuneration.

**LEARNING OUTCOMES: CERTIFICATE: Role Descriptions:** The Historic Preservation and Restoration Certificate program is designed for persons currently working in, or intending to work in, the construction trades with an emphasis on the preservation and restoration of historic and vintage buildings.

**Intended Learning Outcomes:** Learning experiences in this program are designed to assist the student in realizing the following outcomes:

1. Communicate clearly and effectively through speech, writing and drawing.
2. Practice healthy work habits; safely use tools and materials.
3. Work in a collaborative environment.
4. Demonstrate knowledge of regional architectural history.
5. Use appropriate materials and methods for renovation and new construction.

**LEARNING OUTCOMES: AAS DEGREE: Role Descriptions:** The Historic Preservation and Restoration Degree program is designed for persons currently working in, or intending to work in, the construction trades with an emphasis on the preservation and restoration of historic and vintage buildings.

**Intended Learning Outcomes:** Learning experiences in this program are designed to assist the student in realizing the following outcomes:

1. Communicate clearly and effectively through speech, writing and drawing.
2. Practice healthy work habits; safely use tools and materials.
3. Work in a collaborative environment.
4. Demonstrate knowledge of regional architectural history.
5. Use appropriate materials and methods for renovation and new construction.
6. Incorporate historic preservation and restoration theory and methods into construction projects.

### Career Pathway Historic Preservation and Restoration Certificate

Course Number	Course Title	Credits
BLD 101	Introduction to Historic Preservation or *	1
BLD 210	Historic Preservation I *	(3)
BLD 110	Construction Safety for Historic Preservation	1
BLD 111	Tool Safety for Historic Preservations	1
BLD 140	Printreading for Construction	3
DRF 213	Computer Aided Design I	4
	Historic Preservation Workshops *	4-6
	Total Credits:	16

\* Must complete a total of 16 credits for successful completion of certificate. If taking BLD 101, then complete a total of six of the one-credit workshops. If taking BLD 210, then complete a total of four of the one-credit workshops. <sup>1</sup>

*For more information see page 91*

## YEAR ONE One-Year Certificate • AAS Degree

<b>FALL</b>	Introduction to Historic Preservation ** BLD 101, 2 Cr.	Construction Safety for Historic Preservation ** BLD 110, 1 Cr.	Tool Safety for Historic Preservation** BLD 111, 1 Cr.	Printreading for Construction ** BLD 140, 3 Cr.	Construction Math ** BLD 104, 2 Cr.	Workshops <sup>1</sup> 4 Cr.	Intro to Integrated Software MIC 145, 3 Cr. <i>or</i> Intro to Computer Info Systems CS 131, 4 Cr. <i>or</i> Computer Aided Design DRF 213, 4 Cr.
	Residential Materials & Methods ** BLD 103, 3 Cr.	Construction Drawing DRF 150, 3 Cr.	Workshops <sup>1</sup> 5 Cr.	Math for Applied Science*** MTH 65, 4 Cr. <i>or</i> Intermediate Algebra*** MTH 95, 4 Cr.			
	English Composition ** WR 121, 4 Cr.	Psych. of Human Relations PSY 101, 3 Cr. <i>or</i> Small Group Discussion SP 219, 3 Cr. <i>or</i> Human Relations in Business BA 285, 3 Cr.	Cooperative Work Experience BLD 280, 2 Cr.	CWE Seminar BLD 281, 1 Cr.	History of Pacific Northwest Architecture ARCH 215, 3 Cr. <i>or</i> Northwest Architects ARCH 216, 3 Cr.	Workshops <sup>1</sup> 4 Cr.	
<b>WINTER</b>							
<b>SPRING</b>							

## YEAR TWO AAS Degree

<b>FALL</b>	Historic Preservation I ** BLD 210, 3 Cr.	Green Building ** BLD 206, 3 Cr.	Workshops <sup>1</sup> 5 Cr.	Electives **** # 3 Cr.
	Historic Preservation II ** BLD 211, 3 Cr.	Project Management ** BLD 207, 3 Cr.	Workshops <sup>1</sup> 5 Cr.	Technical Writing ** WR 227, 4 Cr.
	Building Codes I BLD 151 ** 3 Cr.	Historic Preservation & Restoration Project BLD 295, 4 Cr. **	Workshops <sup>1</sup> 3 Cr.	Electives **** # 6 Cr.
<b>WINTER</b>				
<b>SPRING</b>				

### Workshops:

<sup>1</sup> For the Certificate Program, 13 credits must be taken from any of the workshops listed below. For the Associate of Applied Science Program, another 13 credits from the following lists must also be successfully completed, for a total of 26 credits.

Construction Skills:      Historic Pres. & Rest.  
BLD 120-BLD 129      Techniques:  
BLD 220-BLD 229

Materials:                  Historic Materials:  
BLD 131-BLD 139      BLD 231-BLD 239

Topics of the above workshops will include:  
Materials                  Stairs  
Foundation Systems      Doors and Windows  
Floor Systems              Finish Work  
Wall Systems                Moisture and Thermal Protection

### Legend Notes:

\*\* Minimum grade "C".

\*\*\* Minimum grade "C", "P" or higher. Math courses numbered higher than MTH 95 may be substituted.

\*\*\*\* Total of nine (9) credits of electives chosen from courses numbered 100 or higher; however, suggested electives are listed below.

ARCH 215      History PNW Architecture.....3  
ARCH 216      Northwest Architects.....3  
ART 225        Computer Graphics I.....3  
ART 226        Computer Graphics II .....3  
ART 131        Introduction to Drawing.....3  
BA 101         Introduction to Business .....4  
DRF 213        Computer Aided Design I .....4  
DRF 214        Computer Aided Design II.....4  
DRF 215        Computer Aided Design III.....4  
PHL 102        Ethics.....3

# To specialize in the area of Sustainability in Historic Preservation and Restoration, the following courses are suggested as electives:

SET 102        Introduction to Sustainability.....3  
SET 158        Building Energy Analysis .....2