

ONE-YEAR CERTIFICATE AND ASSOCIATE OF APPLIED SCIENCE DEGREE

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:

- Communicate clearly and effectively through speech, writing and drawing.
- Practice healthy work habits; safely use tools and materials.
- Work on multiple projects simultaneously, efficiently managing time and resources.
- Work in a collaborative environment.
- Demonstrate knowledge of regional architectural history.
- Research, analyze and solve design and construction problems.
- Use appropriate materials and methods for renovation and new construction.
- Work within parameters of building codes, regulations and zoning.

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:

- Communicate clearly and effectively through speech, writing and drawing.
- Practice healthy work habits; safely use tools and materials.
- Work on multiple projects simultaneously, efficiently managing time and resources.
- Work in a collaborative environment.
- Demonstrate knowledge of regional architectural history.
- Research, analyze and solve design and construction problems.
- Use appropriate materials and methods for renovation and new construction.
- Work within parameters of building codes, regulations and zoning.
- Incorporate historic preservation and restoration theory and methods into construction projects.
- Use sustainable building practices.
- Estimate, plan and manage construction projects.

Job Description:

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 practical hands-on construction techniques and historic preservation theory. 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 subcontractors and general contractors specializing in renovation and historic preservation.

The first year of the program emphasizes general construction skills and techniques. Students also develop a basic understanding of issues in historic preservation and restoration. Students successfully completing the first year will receive a Certificate in Historic Preservation and Restoration.

The second year of the program emphasizes planning for and completing historic preservation and restoration construction projects. Students develop a deeper understanding of the history, materials and methods for working on historic structures. Students successfully completing the second year will receive an Associate of Applied Science in Historic Preservation and Restoration.

Employment Opportunities:

The job outlook for Renovation and Restoration, Historic Preservation, and Construction is good locally, regionally and nationally. Job opportunities are available with contractors, 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 average wage in Oregon is \$19.70 per hour increasing to \$22.00 - \$35.00 per hour as the individual's skill level increases. Historic restoration expertise often commands premium remuneration.

YEAR ONE

One-Year Certificate

AAS Degree

FALL	Industrial Safety IT 140, 1 Cr.	Tool and Shop Basics IT 141, 1 Cr.	Printreading for Construction BLD 140, 3 Cr.	Construction Math BLD 104, 3 Cr.	Construction Skills * ¹ 4 Cr.	Intro to Integrated Software MIC 145, 3 Cr.	Intro to Computer Info Systems CS 131, 4 Cr.
	Residential Materials & Methods BLD 103, 3 Cr.	Construction Drawing DRF 150, 3 Cr.	Construction Skills * ¹ 6 Cr.	English Composition ** WR 121, 3 Cr.	* Students with demonstrated construction skills, as determined by instructor, may substitute Historic Preservation & Restoration Techniques courses for Construction Skills courses.		
	Building Codes I BLD 151, 3 Cr.	Historic Preservation & Restoration Techniques ² 3 Cr.	Math for Applied Science*** MTH 65, 4 Cr.	Intermediate Algebra*** MTH 95, 5 Cr.	Psychology of Human Relations PSY 101, 3 Cr.	Small Group Discussion SP 219, 3 Cr.	History of Pacific Northwest Architecture ARCH 215, 3 Cr.

YEAR TWO

AAS Degree

FALL	Historic Preservation I BLD 210, 3 Cr.	Sustainable Building BLD 206, 3 Cr.	Historic Preservation & Restoration Techniques ² 6 Cr.	Electives **** 3 Cr.		
	Historic Preservation II BLD 211, 3 Cr.	Project Management BLD 207, 3 Cr.	Historic Preservation & Restoration Techniques ² 6 Cr.	Electives **** 3 Cr.		
	Cooperative Work Experience BLD 280, 2 Cr.	CWE Seminar BLD 281, 1 Cr.	Historic Preservation & Restoration Project BLD 295, 4 Cr.	Historic Preservation & Restoration Techniques ² 3 Cr.	Technical Report Writing ** WR 227, 3 Cr.	Electives **** 3 Cr.

¹ For both the Certificate and the AAS Degree, ten (10) credits from the following list chosen from at least 4 different courses. Each course may be repeated up to 4 credits.

Course Number	Course Title	Credits
BLD 121	Construction Skills : Foundation Systems	1
BLD 122	Construction Skills : Floor Systems	1
BLD 123	Construction Skills : Wall Systems	1
BLD 124	Construction Skills : Roof Systems	1
BLD 125	Construction Skills : Moisture and Thermal Protection	1
BLD 126	Construction Skills : Doors and Windows	1
BLD 127	Construction Skills : Stairs	1
BLD 128	Construction Skills : Finish Work	1

² For Certificate only, three (3) credits from the following list. For AAS Degree, additional fifteen (15) credits from the following list chosen from at least 4 different courses. Each course may be repeated up to 4 credits.

Course Number	Course Title	Credits
BLD 221	Historic Preservation & Restoration Techniques: Foundation Systems	1
BLD 222	Historic Preservation & Restoration Techniques: Floor Systems	1
BLD 223	Historic Preservation & Restoration Techniques: Wall Systems	1
BLD 224	Historic Preservation & Restoration Techniques: Roof Systems	1
BLD 225	Historic Preservation & Restoration Techniques: Moisture & Thermal Protection	1
BLD 226	Historic Preservation & Restoration Techniques: Doors and Windows	1
BLD 227	Historic Preservation & Restoration Techniques: Stairs	1
BLD 228	Historic Preservation & Restoration Techniques: Finish Work	1

Legend Notes:

- ** Minimum grade C.
 - *** Minimum grade C. Math courses numbered higher than MTH 95 may be substituted.
 - **** Total of nine (9) credits of electives chosen from OUS Transfer Lists A or B; however, suggested electives are listed below.
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|---------|--------------------------|---|
| 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 | AutoCAD Beginning | 4 |
| DRF 214 | AutoCAD Intermediate | 4 |
| DRF 215 | AutoCAD Advanced | 4 |
| PHL 102 | Ethics | 3 |