

Curriculum Standard for Construction: Historic Preservation Technology

Career Cluster: Architecture and Construction**

Cluster Description: Programs that prepare individuals to apply technical knowledge and skills related to the fields of architecture, construction, and associated professions. Includes instruction that can be applied to a variety of careers in the design-construction industry, including employment with architectural and engineering firms, residential and commercial builders/contractors, and other construction related occupations.

Pathway: Construction

Effective Term: Fall 2014 (2014*03)

Program Majors Under Pathway

Program Major / Classification of Instruction Programs (CIP) Code	Credential Level(s) Offered	Program Major Code
Historic Preservation Technology CIP Code 30.1201	AAS/Diploma/Certificate	A35110

Pathway Description:

The Historic Preservation Technology curriculum provides courses related to the documentation and preservation of cultural and historic buildings and sites. The program emphasizes technical training in historic site and historic building preservation and restoration.

Course work includes archival research, building design, drafting, conservation techniques, building renovation, field data collection, historic preservation, documentation, sustainable building design, and the application of preservation law.

Graduates of this pathway should qualify for work as building renovation and site specialists, historic preservation consultants or as assistants to professional historic preservationists.

Program Description: Choose one of the following 4th paragraphs to use in conjunction with the first three paragraphs of the pathway description above for documentation used to identify each Program Major:

N/A

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Approved by the State Board of Community Colleges on August 16, 2012; Editorial Revision 12/14/12; Editorial Revision 07/03/13; SBCC Revised 07/19/13; Editorial Revision 08/21/13; Prefix Addition 08/01/15; SBCC Revised 03/17/17; CCRC Revised--Electronic Only (RISE Initiative) 10/24/19.

I. General Education Academic Core

[Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]: Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

Construction: Historic Preservation Technology

Recommended General Education Academic Core	AAS	Diploma	Certificate
Minimum General Education Hours Required:	15 SHC	6 SHC	0 SHC
<p><i>Courses listed below are recommended general education courses for this curriculum standard. Colleges may choose to include additional or alternative general education courses to meet local curriculum needs.</i></p> <p><i>*Recommended certificate and diploma level curriculum courses. These courses may <u>not</u> be included in associate degree programs.</i></p> <p>Communication:</p> <ul style="list-style-type: none"> * COM 101 Workplace Communication 3 SHC COM 110 Introduction to Communication 3 SHC COM 120 Intro Interpersonal Com 3 SHC COM 231 Public Speaking 3 SHC * ENG 101 Applied Communications I 3 SHC * ENG 102 Applied Communications II 3 SHC ENG 110 Freshman Composition 3 SHC ENG 111 Expository Writing 3 SHC ENG 114 Prof Research & Reporting 3 SHC ENG 116 Technical Report Writing 3 SHC <p>Humanities/Fine Arts:</p> <ul style="list-style-type: none"> * HUM 101 Values in the Workplace 2 SHC HUM 110 Technology and Society 3 SHC HUM 115 Critical Thinking 3 SHC HUM 230 Leadership Development 3 SHC PHI 230 Introduction to Logic 3 SHC PHI 240 Introduction to Ethics 3 SHC <p>Social /Behavioral Sciences:</p> <ul style="list-style-type: none"> ECO 151 Survey of Economics 3 SHC ECO 251 Prin of Microeconomics 3 SHC * PSY 101 Applied Psychology 3 SHC * PSY 102 Human Relations 2 SHC PSY 118 Interpersonal Psychology 3 SHC PSY 135 Group Processes 3 SHC PSY 150 General Psychology 3 SHC * SOC 105 Social Relationships 3 SHC SOC 215 Group Processes 3 SHC <p>Natural Sciences/Mathematics:</p> <ul style="list-style-type: none"> MAT 110 Math Measurement & Literacy 3 SHC MAT 121 Algebra/Trigonometry I 3 SHC MAT 143 Quantitative Literacy 3 SHC MAT 152 Statistical Methods I 4 SHC MAT 171 Precalculus Algebra 4 SHC PHY 110 Conceptual Physics 3 SHC PHY 121 Applied Physics I 4 SHC 	6 SHC	3-6 SHC	Optional
	3 SHC	0-3 SHC	Optional
	3 SHC	0-3 SHC	Optional
	3 SHC	0-3 SHC	Optional

Approved by the State Board of Community Colleges on August 16, 2012; Editorial Revision 12/14/12; Editorial Revision 07/03/13; SBCC Revised 07/19/13; Editorial Revision 08/21/13; Prefix Addition 08/01/15; SBCC Revised 03/17/17; CCRC Revised--Electronic Only (RISE Initiative) 10/24/19.

II. Major Hours. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. Below is a description of each section under Major Hours.

- A. Technical Core.** The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the curriculum core courses or core subject area of the AAS program.
- B. Program Major(s).** The Program Major must include a minimum of 12 semester hours credit from required subjects and/or courses. The Program Major is in addition to the technical core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from each prefix listed, with the exception of prefixes listed in the core.

Construction: Historic Preservation Technology	AAS	Diploma	Certificate																																													
Minimum Major Hours Required:	49 SHC	30 SHC	12 SHC																																													
<p>A. Technical Core/Program Major: <i>Courses required for the diploma program major are designated with an asterisk (*).</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">*</td> <td style="width: 15%;">CST</td> <td style="width: 10%;">244</td> <td style="width: 60%;">Sustainable Bldg Design</td> <td style="width: 10%; text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>110</td> <td>Hist & Cultural Landscape</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>111</td> <td>Prin of Hist Preservation</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>116</td> <td>Historical Drafting</td> <td style="text-align: right;">2 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>133</td> <td>Historic Bldg Analysis</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>233</td> <td>Hist Construction Methods</td> <td style="text-align: right;">4 SHC</td> </tr> <tr> <td>*</td> <td>HPT</td> <td>252</td> <td>Recording Hist Properties</td> <td style="text-align: right;">3 SHC</td> </tr> </table> <p>Required Subject Area: Work-Based Learning. Select One.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 15%;">WBL</td> <td style="width: 10%;">111</td> <td style="width: 60%;">Work-Based Learning I</td> <td style="width: 10%; text-align: right;">1 SHC</td> </tr> <tr> <td></td> <td>WBL</td> <td>112</td> <td>Work-Based Learning II</td> <td style="text-align: right;">2 SHC</td> </tr> </table>	*	CST	244	Sustainable Bldg Design	3 SHC	*	HPT	110	Hist & Cultural Landscape	3 SHC	*	HPT	111	Prin of Hist Preservation	3 SHC	*	HPT	116	Historical Drafting	2 SHC	*	HPT	133	Historic Bldg Analysis	3 SHC	*	HPT	233	Hist Construction Methods	4 SHC	*	HPT	252	Recording Hist Properties	3 SHC		WBL	111	Work-Based Learning I	1 SHC		WBL	112	Work-Based Learning II	2 SHC	22-23 SHC	21 SHC	
*	CST	244	Sustainable Bldg Design	3 SHC																																												
*	HPT	110	Hist & Cultural Landscape	3 SHC																																												
*	HPT	111	Prin of Hist Preservation	3 SHC																																												
*	HPT	116	Historical Drafting	2 SHC																																												
*	HPT	133	Historic Bldg Analysis	3 SHC																																												
*	HPT	233	Hist Construction Methods	4 SHC																																												
*	HPT	252	Recording Hist Properties	3 SHC																																												
	WBL	111	Work-Based Learning I	1 SHC																																												
	WBL	112	Work-Based Learning II	2 SHC																																												
<p>C. Other Major Hours. <i>To be selected from the following prefixes:</i></p> <p>ARC, BUS, CIS, CSC, CST, DFT, ELC, HIS, HPT, MAS, SST, and WBL</p> <p><i>Up to two semester hour credits may be selected from ACA.</i></p> <p><i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i></p>																																																
<p>III. Other Required Hours <i>A college may include courses to meet graduation or local employer requirements in a certificate (0-1 SHC), diploma (0-4 SHC), or an associate in applied science (0-7 SHC) program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.</i></p>																																																

IV. Employability Competencies

Fundamental competencies that address soft skills vital to employability, personal, and professional success are listed below. Colleges are encouraged to integrate these competencies into the curriculum by embedding appropriate student learning outcomes into one or more courses or through alternative methods.

- A. Interpersonal Skills and Teamwork** – The ability to work effectively with others, especially to analyze situations, establish priorities, and apply resources for solving problems or accomplishing tasks.
- B. Communication** – The ability to effectively exchange ideas and information with others through oral, written, or visual means.
- C. Integrity and Professionalism** – Workplace behaviors that relate to ethical standards, honesty, fairness, respect, responsibility, self-control, criticism and demeanor.
- D. Problem-solving** – The ability to identify problems and potential causes while developing and implementing practical action plans for solutions.
- E. Initiative and Dependability** – Workplace behaviors that relate to seeking out new responsibilities, establishing and meeting goals, completing tasks, following directions, complying with rules, and consistent reliability.
- F. Information processing** – The ability to acquire, evaluate, organize, manage, and interpret information.
- G. Adaptability and Lifelong Learning** – The ability to learn and apply new knowledge and skills and adapt to changing technologies, methods, processes, work environments, organizational structures and management practices.
- H. Entrepreneurship** – The knowledge the skills necessary to create opportunities and develop as an employee or self-employed business owner.

An **Employability Skills Resource Toolkit has been developed by NC-NET for the competencies listed above.*

Additional information is located at: <http://www.nc-net.info/employability.php>

***The **North Carolina Career Clusters Guide** was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at: http://www.nc-net.info/NC_career_clusters_guide.php or <http://www.careertech.org>.*

Summary of Required Semester Hour Credits (SHC) for each credential:

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18