



# Construction Pathway

## Architecture & Construction Career Cluster



This Program of Study plan should serve as a guide in the development of secondary and post-secondary course planning for students. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a Program of Study. The following items need to be considered:

- Courses in the arts and humanities are valued by post-secondary institutions for their cognitive benefits and in communicating and expressing the ideas and emotions of the human spirit.
- Post-secondary institutions have varying course requirements for admission including World Languages.

High School	Grade	English	Math	Science	Social Studies	Other Required Courses	Pathway Electives Recommended	Credit Review	
	Required Credits	4.0	3.0	3.0	3.0	2.0	Recommended Sequence for Pathway <i>(may adjust yearly as needed)</i> [Minimum– 8.5 elective credits needed for graduation]	Grade	Graduation Credit Requirements
Grade 9	<ul style="list-style-type: none"> <li>English 9 (1.0) -OR-</li> <li>Enriched English 9 (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Algebra I (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Earth Science (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>US History (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>Level I Physical Education (0.5)</li> <li>Health 9 (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>Construction I (0.5)</li> <li>Woodworking I (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>9-12</li> <li>9-12</li> </ul>	4.0 Required 2.0 Elective 6.0 Total	
Grade 10	<ul style="list-style-type: none"> <li>English 10 (1.0) -OR-</li> <li>Enriched English 10 (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Geometry (1.0) -OR-</li> <li>Enriched Geometry (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Biology (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>World Studies (1.0) -OR-</li> <li>AP European Studies (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Level II Physical Education (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>Construction II (1.0)</li> <li>Civil Engineering &amp; Architecture (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>10-12</li> <li>10-12</li> </ul>	4.5 Required 1.5 Elective 6.0 Total	
Grade 11	<ul style="list-style-type: none"> <li>English 11 (1.0) -OR-</li> <li>AP Language &amp; Composition (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Algebra II/Trigonometry (1.0) -OR-</li> <li>Enriched Algebra II/Trigonometry (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Physics (1.0)</li> <li>Principals of Engineering (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>Government (0.5) -OR-</li> <li>AP United States Government and Politics (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>Level III Physical Education (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Engineering Design (IED) (TC) (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>9-12</li> </ul>	4.0 Required 2.0 Elective 6.0 Total	
Grade 12	<ul style="list-style-type: none"> <li>English 12 (1.0) -OR-</li> <li>AP Literature &amp; Composition (1.0)</li> </ul>	<ul style="list-style-type: none"> <li>See post-secondary institution for math requirements</li> </ul>	<ul style="list-style-type: none"> <li>See post-secondary institution for science requirements</li> </ul>	<ul style="list-style-type: none"> <li>AP Psychology (1.0) -OR-</li> <li>Psychology (0.5) -OR-</li> <li>Sociology/Social Issues (0.5)</li> <li>AP Economics (0.5) -OR-</li> <li>Economics (0.5)</li> </ul>		<ul style="list-style-type: none"> <li>Preparation for College &amp; Business Communication (1.0)</li> <li>Personal Law (0.5)</li> </ul>	<ul style="list-style-type: none"> <li>11-12</li> <li>11-12</li> </ul>	2.5 Required 3.0 Elective 5.5 Total	
<b>Course Code Key (see course catalog for further details)</b> AP Advanced Placement AS Advanced Standing TC Transcribed Credit YO Youth Options (0.5) Course is worth 0.5 credit (0.75) Course is worth 0.5 credit (non-TC) or 0.75 credit (TC) (1.0) Course is worth 1.0 credit			<b>28 Credits Possible</b> <b>Credits</b> Required Grades 9-12 .....15.0 Minimum Electives.....8.5 <b>Credits for Graduation .....23.5</b>		<b>Other Related Courses and Activities (curricular, co-curricular, and extra-curricular)</b> <ul style="list-style-type: none"> <li>Spanish I (1.0)</li> <li>Spanish II (1.0)</li> <li>Drawing I (0.5)</li> <li>Entrepreneurship (TC) (0.5)</li> <li>Principles of Engineering (POE) (TC) (1.0)</li> <li>Chemistry (1.0)</li> <li>Precalculus (1.0)</li> <li>World Languages</li> <li>Introduction to Electricity &amp; Wiring (1.0)</li> <li>Science, Technology, Engineering, Math Youth Apprenticeship (1.0)</li> <li>Skills USA</li> </ul>				



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Advisement provided through Student Services office and post-secondary transfer credits determined by college admissions counselors.  
 Postsecondary credit transfer information also available at <http://www.uwsa.edu/tis>

*Please visit the web site of institutions listed below for any program updates.*

Post-Secondary Options	Baccalaureate Degree		Associate Degree Programs		Certificate/License
	<u>University of Wisconsin - Stout</u> <ul style="list-style-type: none"> <li>• Construction</li> </ul>		<u>Chippewa Valley Technical College</u> <ul style="list-style-type: none"> <li>• Air Conditioning, Heating, &amp; Refrigeration Technology</li> <li>• Civil Engineering Technician</li> <li>• Environmental Refrigeration, Air Conditioning, &amp; Heating Service Technician</li> <li>• Wood Technics</li> </ul>		
			<u>Madison Area Technical College</u> <ul style="list-style-type: none"> <li>• Civil Engineering Technology</li> <li>• Construction and Remodeling</li> </ul>		
	Adult Apprenticeship, On-the-Job Training or Other		Employment Options		
		Careers	<ul style="list-style-type: none"> <li>• Carpenter</li> <li>• Code Official</li> <li>• Concrete Finisher</li> <li>• Construction Engineer</li> <li>• Construction Foreman/Manager</li> <li>• Construction Inspector</li> <li>• Contractor</li> <li>• Design Builder</li> <li>• Drywall Installer</li> <li>• Electrician</li> </ul>	<ul style="list-style-type: none"> <li>• Electronic Systems Technician</li> <li>• Equipment and Material</li> <li>• General Contractor/Builder</li> <li>• Heating, Ventilation, Air Conditioning and Refrigeration Mechanic</li> <li>• Mason</li> <li>• Painter</li> <li>• Paperhanger</li> <li>• Plumber</li> </ul>	<ul style="list-style-type: none"> <li>• Project Estimator</li> <li>• Project Inspector</li> <li>• Project Manager</li> <li>• Roofer</li> <li>• Safety Director</li> <li>• Sheet Metal Worker</li> <li>• Specialty Contractor</li> <li>• Superintendent</li> <li>• Tile and Marble Setter</li> </ul>