



# PROGRAM OF STUDY

## Career Cluster: Architecture and Construction

## Career Cluster Pathway: Construction & Pre-Construction

This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. This Program of Study has been customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts  4 credits	Math <i>Note: Students accelerated in Math may have a slightly different sequence</i>  3 credits	Science  3 credits (2 Lab)	Social Studies/ Sciences  3 credits	Other Required Courses Or Recommended Electives	Career & Technical Courses And/or Degree Major Courses  1 credit	SAMPLE Occupations Relating To This Pathway
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Some CTE courses satisfy two graduation requirements\* while earning one credit and may be eligible for dual credit. For a complete list, please refer to the course catalog or visit [www.sumnersd.org/4080](http://www.sumnersd.org/4080).

SECONDARY	9	9 <sup>th</sup> Grade English	Algebra I	Biology		Health Foundation of Fitness	Microsoft Office I	<b>Requiring Less than a Baccalaureate degree</b> <a href="#">Construction and Building Inspectors</a> <a href="#">Construction Carpenters</a> <a href="#">Cement Masons and Concrete Finishers</a> <a href="#">Construction Managers</a> <a href="#">Drywall and Ceiling Tile Installers</a> <a href="#">Electricians</a> <a href="#">First-Line Supervisors of Construction Trades and Extraction Workers</a> <a href="#">Heating and Air Conditioning Mechanics and Installers</a> <a href="#">Painters, Construction and Maintenance Plumbers</a> <a href="#">Roofers</a> <a href="#">Sheet Metal Workers</a> <a href="#">Structural Iron and Steel Workers</a> <a href="#">Surveying Technicians</a>
	10	10 <sup>th</sup> Grade English	Geometry	Chemistry	Civics	<i>Introduction to Engineering Design *</i>	Architecture I & II	
	11	11 <sup>th</sup> Grade English	Algebra II	<i>Core Plus Manufacturing 101 *</i>	U.S. History	Fine, Visual Or Performing		
	12	12 <sup>th</sup> Grade English	<i>Financial Algebra * or AP Statistics *</i>	<i>Core Plus Manufacturing 201 *</i>	Contemporary World Problems	Fitness Elective  Spanish I & II		

POSTSECONDARY	Year 13	Click on the occupations requiring less than a Baccalaureate degree listed on the right to explore the occupation profile and outlook via <a href="#">Careeronestop</a> , your source for career exploration, training and jobs.						<b>Requiring Baccalaureate Degree or Higher</b> <a href="#">Architectural and Engineering Managers</a> <a href="#">Architectural Drafters</a> <a href="#">Civil Engineers</a> <a href="#">Cost Estimators</a> <a href="#">Electrical Engineers</a> <a href="#">Environmental Engineers</a> <a href="#">Fire Prevention and Protection Engineers</a> <a href="#">Industrial Engineers</a> <a href="#">Landscape Architects</a> <a href="#">Mechanical Engineers</a> <a href="#">Urban and Regional Planners</a>
	Year 14							
	Year 15	Click on the occupations requiring Baccalaureate degree or requiring more than Baccalaureate listed on the right to explore the occupation profile and outlook via <a href="#">Careeronestop</a> , your source for career exploration, training and jobs.						
	Year 16							