



PROGRAM OF STUDY

Career Cluster: Agricultural, Food and Natural Resources

Career Cluster Pathway: Power, Structural and Technical Systems

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.

SECONDARY	9	9 th Grade English	Algebra I	Biology		Health Foundation of Fitness	Microsoft Office I Intro to Business & Marketing Agricultural Marketing & Communications I Core Plus Manufacturing 101	Requiring Less than a Baccalaureate degree Construction Carpenters Farm Equipment Technicians and Service Technicians Maintenance Workers, Machinery Outdoor Power Equipment and Other Small Engine Mechanics Water and Wastewater Treatment Plan and System Operators Welders, Cutters, Solderers, and Brazers
	10	10 th Grade English	Geometry	Chemistry	Civics	Fine, Visual Or Performing Arts (2 credits) Fitness Elective World Language: preferably Spanish I & II		
	11	11 th Grade English	Algebra II	<i>Plant Science & Greenhouse Management</i>	U.S. History			
	12	<i>Core Plus Manufacturing 201</i>	<i>Intro to Programming</i>	<i>Core Plus Manufacturing 201</i>	Contemporary World Problems			

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 Careeronestop , your source for career exploration, training and jobs.	Requiring Baccalaureate Degree or Higher Agricultural Engineers Geographic Information Systems Technicians Surveyors Water/Wastewater Engineers
	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 Careeronestop , your source for career exploration, training and jobs.	
	Year 16		