



# PROGRAM OF STUDY

## Career Cluster: Agricultural, Food and Natural Resources

## Career Cluster Pathway: Environmental Service 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](http://www.sumnersd.org/4080).

SECONDARY	9	9 <sup>th</sup> Grade English	Algebra I	Biology		Health Foundation of Fitness	Microsoft Office I & II	<b>Requiring Less than a Baccalaureate degree</b> <a href="#">Environmental Compliance Inspectors</a> <a href="#">Environmental Science and Protection Technicians, Including Health Environmental Engineering Technicians</a> <a href="#">Geological Sample Test Technicians</a> <a href="#">Hazardous Materials Removal Workers</a> <a href="#">Recycling Coordinators</a>
	10	10 <sup>th</sup> Grade English	Geometry	Chemistry	Civics	Fine, Visual Or Performing Arts (2 credits)	<i>Plant Science &amp; Greenhouse Management*</i>	
	11	11 <sup>th</sup> Grade English	Algebra II	<i>IB Environmental Systems &amp; Societies HL I*</i>	U.S. History	Fitness Elective		
	12	12 <sup>th</sup> Grade English	Pre-Calculus, AP Statistics *, AP or IB Math	<i>IB Environmental Systems &amp; Societies HL II*</i>	Contemporary World Problems	World Language: preferably 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</b> <a href="#">Chemical Engineers</a> <a href="#">Civil Engineers</a> <a href="#">Energy Engineers</a> <a href="#">Environmental Engineers</a> <a href="#">Environmental Scientists and Specialists, Including Health</a> <a href="#">Fire-Prevention and Protection Engineers</a> <a href="#">Water/Wastewater Engineers</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		