



PROGRAM OF STUDY

Career Cluster: Agricultural, Food and Natural Resources

Career Cluster Pathway: Plant 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	Requiring Less than a Baccalaureate degree Agricultural Equipment Operators Bioinformatics Technicians Farm and Ranch Managers Landscaping and Groundskeeping Workers Nursery and Greenhouse Managers Reporters and Correspondents Tree Trimmers and Pruners
	10	10 th Grade English	Geometry	Chemistry	Civics	Fine, Visual Or Performing Arts (2 credits)	Introduction to Business & Marketing	
	11	11 th Grade English	Algebra II	Biology II	U.S. History	<i>Nutrition & Fitness *</i>	Retail Management Retail Management Manager	
	12	12 th Grade English	IB Math, Pre-Calculus, Financial Algebra *, or Accounting I *	<i>Plant Science & Greenhouse Management *</i>	Contemporary World Problems	World Language: preferably Spanish I & II	Agricultural Marketing & Communications I	

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 Bioinformatics Scientists Geneticists Soil and Plant Scientists
	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		