

Which pathway will you choose?



CAREER FIELD: AGRICULTURE, FOOD AND NATURAL RESOURCES				
<i>Recommended courses for: Technical High School</i>				
	Grade 9	Grade 10	Grade 11	Grade 12
Language Arts	2 Semesters Language Arts 9	2 Semesters Language Arts 10	2 Semesters 1 Composition 1 Literature	2 Semesters 1 Speech 1 Elective
Mathematics	2 Semesters Math	2 Semesters	2 Semesters Choose	
Science	2 Semesters Earth/Space 9	2 Semesters Biology	2 Semesters Choose <i>Environmental Science</i>	<i>Environmental Science</i>
Social Studies	2 Semesters Geography 9	1 Semester World History	2 Semesters U.S. History	2 Semesters 1 Economics 1 American Government
Fitness/Health	2 Semesters Fitness for Life	1 Semester Fitness for Life 1 Semester Health		
Art	1 Semester (Elective #1)	1 Semester (Elective #1)		
Foreign Language	2 Semesters (Elective #2)	2 Semesters (Elective #2)		
Electives	<ul style="list-style-type: none"> • Foods I • Foods II 			



Required Courses
Suggested Courses
 ** AP Courses
 ## SRS Courses
 ++ SCTC Tech Prep Courses

Potential Careers in the Agriculture, Food and Natural Resources Career Pathway



Do you like to: Use strong science skills such as chemistry, physics and geology? Use a solid background in communications and technical skills? Understand how nature and different environments work? Creatively solve problems?

People attracted to careers in this pathway like to observe, learn, analyze, investigate, evaluate, or solve problems. They may like to work with plants and animals. They like to work independently, analyze data, do research, deal with abstractions, explore a variety of ideas, perform lab experiments, do complex calculations, and/or understand scientific methods and theories. This career path includes programs related to the environment and natural resources. These may include agriculture earth sciences, environmental sciences, fisheries management, forestry, horticulture, and wildlife management.

	High School Diploma (some add'l training may be necessary)	Technical Training or 2-year Degree	4-year Degree and Beyond
Career Specialties/Occupations	<ul style="list-style-type: none"> • Agricultural Product Graders and Sorters • Agricultural Worker Supervisors • Aquatic Life Laborer • Commercial Fishers • Deckhand • Dog Groomer • Explosive Workers (minimum) • Farm and Ranch Workers • Farm Machine Operator • Farmer • Gas and Oil Plant Operators (minimum) • Golf Course Maintenance • Greenhouse Maintenance • Horse Trainer • Irrigator • Landscapers and Groundskeepers • Lawn Service Worker • Log Graders and Scalars (minimum) • Logger • Mining Machine Operators (minimum) • Nursery Workers • Pest Control Worker • Plant Breeder • Rock Splitter • Roof Bolters (minimum) • Roustabouts • Specialty Farmers (minimum) • Turf Sod Producer • Veterinary Technician Worker 	<ul style="list-style-type: none"> • Agricultural Commodity • Animal Breeders (minimum) • Animal Caretakers • Animal Trainers • Arborist • Assayer • Construction and Well Drillers • Environmental Technician • Floral Designer • Florist • Food Science Technician • Forestry Technicians • Gas and Oil Drillers • Geological Data Technician • Geological Sample Test • Grader • Greenhouse Manager • Greenskeeper • Inspector • Land Appraiser • Landscape Construction • Landscaper • Loggers • Logging Operations • Material Moving Machine Operators • Meteorological Technician • Park Naturalist • Park Ranger • Petroleum Technician • Power Plant Operator • Pulp and Paper Worker • Pump Operator • Science Technicians • Stadium Grounds Crew • Technician • Topographic Technician • Turf Manager • Water Environmental Technician* • Water Treatment Plant Operators* • Wood Technologist 	<ul style="list-style-type: none"> • Agricultural Economist • Agricultural Engineer • Agricultural Inspector • Agricultural Scientists • Agronomist • Animal Scientists • Aquaculturalist • Botanist • Buyers and Purchasing Agents • Conservation Scientists • Earth Scientist • Environmental Engineers Environmental Health • Extension Service Specialist • Farm Animal Veterinarian • Farmers and Farm Managers • Fish and Game Wardens • Food Scientists • Forest/Urban Ecologist • Foresters • Geographer~ • Geologist~ • Geophysicist • Golf Course Superintendent • Horticulturalist • Inspector • Land Development Consultant • Landscape Architects • Logging Superintendent • Marine Biologists • Meteorologist~ • Mining Engineers • Range Manager • Soil Conservationist • Urban Forester • Veterinarian^ • Volcanologist • Water Conservationist • Wildlife Manager~ • Zoologist^

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Programs offered at:
 * St. Cloud Technical College
 ~ St. Cloud State University
 ^ St. John's University/ College of St. Benedict