

**Career Pathways for Tech High School
Recommended courses for the Agriculture, Food, and Natural Resources Career Cluster**

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?

Agriculture and Natural Resources:
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.

GRADES

	9	10	11	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 Semester Economics 1 Semester Global
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 Lang.	1 Semester (Elective 2)	1 Semester (Elective 2)		
Electives	<i>-Foods I -Foods II</i>	<i>-Foods I -Foods II</i>	<i>-Foods I -Foods II</i>	<i>-Foods I -Foods II</i>

* See counselor about all other electives. Take something close to Environment and Agricultural.

Required Courses
Suggested Courses

** AP Course
++ SCTC Tech Prep Course
SRS Course

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

HS Diploma (some additional training may be necessary)	Technical Training or 2-year Degree	4-year Degree and Beyond
Agricultural Product Graders and Sorters	Agricultural Commodity	Agricultural Economist
Agricultural Worker Supervisors	Animal Breeders (minimum)	Agricultural Engineer
Aquatic Life Laborer	Animal Caretakers	Agricultural Inspector
Commercial Fishers	Animal Trainers	Agricultural Scientists
Deckhand	Arborist	Agronomist
Dog Groomer	Assayer	Animal Scientists
Explosive Workers (minimum)	Construction and Well Drillers	Aquaculturalist
Farm and Ranch Workers	Environmental Technician	Botanist
Farm Machine Operator	Floral Designer	Buyers and Purchasing Agents
Farmer	Florist	Conservation Scientists
Gas and Oil Plant Operators (minimum)	Food Science Technician	Earth Scientist
Golf Course Maintenance	Forestry Technicians	Environmental Engineers
Greenhouse Maintenance	Gas and Oil Drillers	Environmental Health
Horse Trainer	Geological Data Technician	Extension Service Specialist
Irrigator	Geological Sample Test	Farm Animal Veterinarian
Landscapers and Groundskeepers	Grader	Farmers and Farm Managers
Lawn Service Worker	Greenhouse Manager	Fish and Game Wardens
Log Graders and Scalars (minimum)	Greenskeeper	Food Scientists
Logger	Inspector	Forest/Urban Ecologist
Mining Machine Operators (minimum)	Land Appraiser	Foresters
Nursery Workers	Landscape Construction	Geographer-
Pest Control Worker	Landscaper	Geologist-
Plant Breeder	Loggers	Geophysicist
Rock Splitter	Logging Operations	Golf Course Superintendent
Roof Bolters (minimum)	Material Moving Machine Operators	Horticulturalist
Roustabouts	Meteorological Technician	Inspector
Specialty Farmers (minimum)	Park Naturalist	Land Development Consultant
Turf Sod Producer	Park Ranger	Landscape Architects
Veterinary Technician	Petroleum Technician	Logging Superintendent
Worker	Power Plant Operator	Marine Biologists
	Pulp and Paper Worker	Meteorologist-
	Pump Operator	Mining Engineers
	Science Technicians	Range Manager
	Stadium Grounds Crew	Soil Conservationist
	Technician	Urban Forester
	Topographic Technician	Veterinarian^
	Turf Manager	Volcanologist
	Water Environmental Technician*	Water Conservationist
	Water Treatment Plant Operators*	Wildlife Manager-
	Wood Technologist	Zoologist^

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