

Career Pathways for Apollo 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	3 Credits Language Arts 9 Literature, Speech & Writing	3 Credits Language Arts 10	3 Credits Language Arts 11	3 Credits Language Arts 12
Mathematics	3 Credits	3 Credits	3 Credits	
Science (Must take 3 credits of Biology any year)	3 Credits	3 Credits	3 Credits <i>-Environmental Science</i>	<i>-Environmental Science</i>
Social Studies	3 Credits Geography	2 Credits World History	3 Credits U.S. History	3 Credits Senior Social Economics and Government
Fitness/Health	1.5 Credits Fitness	1 Credit Health .5 Credit Fitness		
Art (Must take 1 year any time)	3 Credits			
Other	<i>-Foods I</i> <i>-Foods II</i> <i>-Gourmet Cookery</i> <i>-Outdoor Foods</i> <i>-Foods from Other Lands</i>	<i>-Foods I++</i> <i>-Foods II++</i> <i>-Gourmet Cookery++</i> <i>-Outdoor Foods++</i> <i>-Foods from Other Lands++</i>	<i>-Foods I++</i> <i>-Foods II++</i> <i>-Gourmet Cookery++</i> <i>-Outdoor Foods++</i> <i>-Foods from Other Lands++</i>	<i>-Foods I++</i> <i>-Foods II++</i> <i>-Gourmet Cookery++</i> <i>-Outdoor Foods++</i> <i>-Foods from Other Lands++</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 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	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	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^

* 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