**CAREER FIELD:** AGRICULTURE, FOOD AND NATURAL RESOURCES

*Recommended courses for:* Apollo High School

<table>
<thead>
<tr>
<th></th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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</thead>
<tbody>
<tr>
<td><strong>Language Arts</strong></td>
<td>3 Credits Language Arts 9, Literature, Speech &amp; Writing</td>
<td>3 Credits Language Arts 10</td>
<td>3 Credits Language Arts 11</td>
<td>3 Credits Language Arts 12</td>
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<td><strong>Mathematics</strong></td>
<td>3 Credits</td>
<td>3 Credits</td>
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<tr>
<td><strong>Science</strong></td>
<td>3 Credits (must take 3 credits of Biology any year)</td>
<td>3 Credits</td>
<td>3 Credits Environmental Science</td>
<td>Environmental Science</td>
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<tr>
<td><strong>Social Studies</strong></td>
<td>3 Credits Geography</td>
<td>2 Credits World History</td>
<td>3 Credits U.S. History</td>
<td>3 Credits Senior Social Economics and Government</td>
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<tr>
<td><strong>Fitness/Health</strong></td>
<td>1.5 Credits Fitness</td>
<td>1 Credit Health</td>
<td>.5 Credit Fitness</td>
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<tr>
<td><strong>Art</strong></td>
<td>3 Credits</td>
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<tr>
<td><strong>Other</strong></td>
<td>Foods I</td>
<td>Foods II++</td>
<td>Foods II++</td>
<td>Foods II++</td>
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<td></td>
<td>Foods II</td>
<td>Gourmet Cookery++</td>
<td>Gourmet Cookery++</td>
<td>Gourmet Cookery++</td>
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<td>Outdoor Foods</td>
<td>Outdoor Foods++</td>
<td>Outdoor Foods++</td>
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<td>Foods from Other Lands</td>
<td>Foods from Other Lands++</td>
<td>Foods from Other Lands++</td>
<td>Foods from Other Lands++</td>
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<tr>
<td></td>
<td>Keyboarding I</td>
<td>Keyboarding I</td>
<td>Entrepreneurship</td>
<td>Entrepreneurship</td>
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<td></td>
<td>Accounting I</td>
<td>Accounting I</td>
</tr>
</tbody>
</table>

**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)
- 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
- Grader
- Horse Trainer
- Irrigator
- Landscapers and Groundskeepers
- Lawn Service Worker
- Log Graders and Scalers (minimum)
- Logger
- Mining Machine Operators (minimum)
- Nursery Workers
- Pest Control Worker
- Plant Breeder
- Rock Splitter
- Roof Batters (minimum)
- Roustabouts
- Specialty Farmers (minimum)
- Turf Sod Producer
- Veterinary Technician Worker

#### Technical Training or 2-year Degree
- Agricultural Commodity
- Animal Breeders (minimum)
- Animal Caretakers
- Animal Trainers
- Arborist
- Assayer
- Construction and Wells Driller
- Environmental Technician
- Floral Designer
- Florist
- Food Science Technician
- Forestry Technicians
- Gas and Oil Drillers
- Geological Data Technician
- Geological Sample Tester
- Gradgrader
- Greenhouse Manager
- Greenskeeper
- Inspector
- Land Appraiser
- Landscape Construction
- Landscape Management
- Loggers
- Logging Operations
- Material Moving Machine Operators
- Material Science Technician
- Marine Biologists
- Marine Conservation
- Meteorologist
- Mining Engineers
- Range Manager
- Soil Conservationists
- Urban Foresters

#### 4-year Degree and Beyond
- Agricultural Economist
- Agricultural Engineer
- Agricultural Inspector
- Agricultural Scientists
- Agronomist
- Animal Scientists
- Aquaculturalist
- Botanist
- Buyers and Purchasing Agents
- Conservation Scientists
- Earth Scientists
- Environmental Engineers Environmental
- Extension Service Specialist
- Farm Animal Veterinarian
- Farmers and Farm Managers
- Fish and Game Wardens
- Food Scientists
- Forest and Urban Ecologist
- Geographer
- Geologist
- Geophysicist
- Geologist
- Golf Course Superintendent
- Horticulturalist
- Inspector
- Land Development Consultant
- Landscape Architects
- Logging Superintendent
- Marine Biologists
- Meteorologist
- Mining Engineers
- Range Manager
- Soil Conservationists
- Urban Foresters
- Veterinarian
- Volcanologist
- Water Conservationist
- Wildlife Managers
- Zoologist

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**Programs offered at:**
- St. Cloud Technical College
- St. Cloud State University
- St. John’s University/ College of St. Benedict