



Sault Area Public Schools  
*A Great Place to Learn*



AGRICULTURE, FOOD AND NATURAL  
RESOURCES

# PATHWAY

ACADEMIC AND CAREER PLANNING

# Pathway to Success

## **Agriculture, Food and Natural Resources**



A career in Agriculture, Food, and Natural Resources offers the opportunity to contribute to the sustainable production and management of essential resources. With a diverse range of career paths spanning from farming to environmental conservation, this field combines innovation, science, and a passion for the environment.

### **Career Options**

Explore and discover potential career options in the fields related to agriculture, food and natural resources.

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### **Degree, Certification, and Training Options**

Explore the degrees, certifications and training options that are available to help you be successful in the fields related to agriculture, food and natural resources.

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### **Course/CTE Options**

Explore the course and program options that are available to students while still in high school to help them prepare for a career in agriculture, food and natural resources.

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### **Resume Builders**

Explore the possible experiences that will help build a strong resume.

# Career Options

Agriculture, Food and  
Natural Resources

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There are several ways to start a career in Agriculture, Food, and Natural Resources. The quickest is on-the-job training, where employees learn as they work. Another option is earning a certification, which takes a few months to a year. For those seeking more education, a college degree takes 2 to 6 years. Below are a few examples of options for each pathway, though this list is not exhaustive.

## 01 Jobs That Require On-The-Job Training

- Livestock/Farm Worker
  - Agricultural Equipment Operator
  - Landscaper/Gardener
  - Food Processing Worker
  - Tree Trimer
  - Ranch Hand
  - Animal Caretaker
  - Greenhouse Worker
  - Irrigation Technician
  - Beekeeper
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## 02 Jobs that Require a Certification

- Certified Crop Advisor
  - Pesticide Applicator
  - Certified Food Safety Manager
  - Forestry Technician
  - Wildlife Rehabilitator
  - Sustainability Specialist
  - Natural Resource Manager
  - Fisheries Technician
  - Landscape Irrigation Auditor
  - Sustainable Agricultural Consultant
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## 03 Jobs That Require A Degree

- Agricultural Engineer
- Food Scientist
- Environmental Scientist
- Veterinarian
- Agronomy Specialist
- Horticulturist
- Agricultural Economist
- Marine Biologist
- Forestry Manager
- Landscape Architect



# Finding On-The-Job Training

Agriculture, Food and Natural Resources



## Resources

### **Michigan Works**

Michigan Works has resources that can help locate available jobs and aide in your necessary training.

1118 East Easterday Avenue

Sault Ste. Marie, MI 49783

Phone: (906) 635-1752

Fax: (906) 635-0115

Michigan Relay Center 711

Monday through Friday: 8-5 EST

On-the-job training is a great way to start a career in Agriculture, Food, and Natural Resources, allowing you to learn essential skills while working. This type of training is typically hands-on and tailored to the specific job, so you can gain experience right from the start. Many employers in this field offer on-the-job training, including farms, agricultural companies, food processing plants, and conservation organizations. To find opportunities, check local job listings, visit company websites, or reach out to industry associations that may connect you with employers offering this type of training.

### **Indeed**

Indeed is a great tool to search for available jobs in your area.

# Obtaining a Certificate

Agriculture, Food and Natural Resources

## Certificate Programs

### Bay Mills Community College

[Natural Science - Certificate](#)

### Lake Superior State University

[Cannabis Production - Certificate](#)

### Michigan State University

[Dairy Management - Certificate](#)

[Agricultural Operations - Certificate](#)

[Agricultural Industries - Certificate](#)

[Fruit, Vegetable and  
Organic Horticulture - Certificate](#)

[Livestock industries - Certificate](#)

[Forest Technologies - Certificate](#)

[Urban Forest Management - Certificate](#)

### Online Programs

[ServeSafe Food Manager Certification](#)

Certificate programs in Agriculture, Food, and Natural Resources offer specialized training that can be completed in a few months to a year. These programs provide valuable skills and credentials that can help boost your career. You can find certificate programs at community colleges, technical schools, and online platforms. Many industry organizations also offer certification programs in areas like farming, environmental management, and food safety. To explore options, check local educational institutions, online course providers, or professional associations related to your field of interest.

# Obtaining a Degree

Agriculture, Food and Natural Resources

## Bachelor/Associate Degrees

### Lake Superior State University

[Conservation Biology](#)

[Environmental Science](#)

[Fisheries & Wildlife Management](#)

[Geology](#)

[Outdoor Recreation & Leadership](#)

[Cannabis Science - Associates](#)

[Natural Resources Technology - Associates](#)

### Michigan State University

[Environmental Biology](#)

[Geological Sciences](#)

[Plant Biology](#)

[Zoology](#)

[Actuarial Science](#)

[Agriculture, Food and Natural Resources](#)

[Animal Science](#)

[Environmental Studies & Sustainability](#)

[Horticulture](#)

[Physical Science](#)

[Sustainability Parks and Recreation](#)

[Veterinary Nursing](#)

Degree programs in Agriculture, Food, and Natural Resources provide in-depth knowledge and training, typically taking four to six years to complete. These programs cover a wide range of topics, from crop management to sustainable practices, and can open doors to advanced career opportunities. You can find degree programs at universities, colleges, and specialized institutions, both on-campus and online. Many schools offer bachelor's and master's degrees in fields like agricultural science, environmental studies, and food systems. To explore options, visit university websites, check with academic advisors, or research programs through professional organizations.

# Courses/CTE Options

Agriculture, Food and Natural Resources

Plan your schedule with your future goals in mind by exploring common courses, AP courses, CTE programs, and opportunities to earn college credit while still in high school.

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## Sault High Courses

- Anatomy & Physiology
- Biology
- Physical Chemistry
- Career Readiness
- Honors Chemistry
- Honors Math
- Honors English
- Physics
- Algebra 1 and 2
- Geometry



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## AP Courses

- AP Biology
- AP Language



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## CTE Courses/Programs

- The Natural Resources Class is offered in conjunction with LSSU's Center for Freshwater Research and Engagement.
- Architectural engineering and Design.



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## Dual/Concurrent Enrollment

- College Chemistry
- Other related options can be talked about with your Counselor or visits the information page **[HERE](#)**.

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See Sault High School Full **[Course Offerings](#)**.

# Resume Builders

## **Job Shadow Experiences**

Students who engage in job shadow experiences show proven interest in their future and dedication to their success. If you have questions about job shadowing or want help finding an opportunity contact the MTSS Coordinator.

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## **Intern/Externships**

Internships and externships provide valuable opportunities for high school students to gain real-world experience, develop new skills, and explore potential career paths. These experiences can significantly benefit students, both professionally and personally.

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## **Leadership Positions**

Holding Leadership Positions shows dedication and passion by the student. It also can be a look into the students hobbies.

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## **Student Organizations**

Joining Student Organizations shows a balance in priorities. Please see the Sault Ste Marie **Student Organizations** to find an organization to join!

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## **Volunteer Experiences**

Volunteering is a great way to get experience and explore post-secondary options.

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