

What is the Agriculture, Food, and Natural Resource Pathway?

The agriculture, food, and natural resources pathway refers to career fields related to natural resources and the environment. This includes programs of study on subjects such as:

- Agriculture (production, processing, marketing, distribution, financing)
- Earth Science and Environmental Science
- Forestry, Horticulture and Wildlife Management

What careers are in the Agriculture, Food, and Natural Resource Pathway?

[Agriculture, Food, & Natural Resources Career Pathway
MadREP Region 2023-2025](#)

High School Diploma	Tech College Certificate or Associate's Degree	Bachelor's Degree and Above (4+ years of study)
<p>Bee Keeper Fisherman Nursery Worker Horse Stable Worker Crop Sprayer Landscape Laborer Pet Groomer Vet Hospital Worker Farm Worker Logger Pet Shop Worker</p>	<p>Turf Manager Arborist Vet Tech Animal Nutritionist Crop or Animal Farmer Farrier Fish & Game Officer Golf Course Manager Greenhouse Manager Landscape Designer Quality Food Control Wastewater Tech Taxidermist</p>	<p>Forester Biochemist Landscape Architect Soil Geologist Veterinarian Botanist Game Warden Marine Biologist Agricultural Educator Entomologist Zoologist Park Ranger</p>

*This document is subject to change.

*This document is not a complete list.

Graduation Requirements

Math

Algebra I
Geometry
Algebra II

*3 Total Credits

English

English 9
English 10
English 11
Senior English

*4 Total Credits

Social Studies

Western Civ
U.S History
Choices in Am
Dem

*3 Total Credits

Science

Intro to Physics
Biology
Chemistry

*3 Total Credits

Other

Health
.5 Credits
Financial Literacy .5
Credits
Physical Education
1.5 Credits

25 Total Credits Needed to Graduate

9th Grade

Possible Electives

Intro to Agriculture
Exploring Plants and
Animals
Horticulture and
Landscape Management
Small Animal Care
Agriculture
Communication and
Marketing

10th Grade

Possible Electives

Intro to Agriculture
Exploring Plants and
Animals
Horticulture and Landscape
Management
Small Animal Care
Agriculture Communication
and Marketing
Plant and Soil Science ES
(DC)
Natural Science ES
Biofuels and Biotechnology
Animal Science ES (DC)
Equine and Exotics
Veterinary Science ES
Animal Nutrition and
Management
Forestry and Conservation

11th Grade

Possible Electives

Intro to Agriculture
Exploring Plants and
Animals
Horticulture and Landscape
Management
Small Animal Care
Agriculture Communication
and Marketing
Plant and Soil Science ES
(DC)
Natural Science ES
Biofuels and Biotechnology
Animal Science ES (DC)
Equine and Exotics
Veterinary Science ES
Animal Nutrition and
Management
Forestry and Conservation

12th Grade

Possible Electives

Intro to Agriculture
Exploring Plants and
Animals
Horticulture and Landscape
Management
Small Animal Care
Agriculture Communication
and Marketing
Plant and Soil Science ES
(DC)
Natural Science ES
Biofuels and Biotechnology
Animal Science ES (DC)
Equine and Exotics
Veterinary Science ES
Animal Nutrition and
Management
Forestry and Conservation