# Agriculture, Food, and Natural Resources Natural Resources Career Pathway

New North
Shawano High School 2023-2024

**EXPLORE**: Click on the links to find the job titles that seem most interesting to you to learn more! Save any jobs you are interested in from this career pathway in your XELLO account so that you can create an Academic and Career Plan (ACP) later on.

| Educational Level<br>May also require work experience | Agribusiness Systems | Animal Systems | Biotechnology Systems | Environmental & Natural Resource Systems | Food Products & Processing Systems | Plant Systems | Power, Structural, & Technical Systems |
|---|---|---|---|---|---|---|---|
| High School Diploma, Certification | •Farm Operations Manager<br>•Auctioneer<br>•Office Manager | •NonFarm Animal Caretakers<br>•Farmworkers, Farm, Ranch, Aquaculture Animal Workers<br>•Pet groomer | •Data Processor<br>•Research Assistant<br>•Specimen Collector | •Environmental Systems Fuel Transporter<br>•Forest and Conservation Workers<br>•Water and Wastewater Treatment Plant Worker | •Production Technician<br>•Material Handler<br>•Slaughter Processor | •Farmworkers, Crops, Nursery, Greenhouse Workers<br>•Pest Control Workers<br>•Landscaper | •Agricultural Equipment Operator<br>•Truck Driver<br>•Parts Sales Specialist |
| Certification or Technical Diploma | •Spanish Translation Coordinator | •Artificial Insemination Technician<br>•Farrier<br>•Livestock Hauler | •Biotechnology Lab Technical Assistant<br>•Research Technician | •Sanitation Coordinator<br>•Propane and Fuel Transporter | •Lab Technician<br>•Sanitation Processor<br>•Evisceration Processor | •Soil Testing Technician<br>•Custom Applicator<br>•Crop Scout | •Service Technician<br>•Diesel Mechanic<br>•Welder |
| Registered Apprenticeship | | •Dairy Grazier | | •Wastewater Treatment Plant Operator<br>•Arborist<br>•Environmental Systems Technician and HVAC Installer Technician | •Maintenance Mechanic/Journeyworker | •Organic Vegetable Farm Manager | •Heavy Equipment Operator and Operating Engineer<br>•Maintenance Technician<br>•Welder-Fabricator |
| Associate Degree | •Agricultural Certification Specialist<br>•Supply Chain Associate<br>•Agricultural Salesperson<br>•Agricultural Information Technology Programmer | •Veterinary Technician<br>•Breeding Manager<br>•Companion Animal Trainer | •Biotechnology Research Associate<br>•Biotechnology Laboratory Technician<br>•BioFuels Technician | •Environmental Protection Technician<br>•Forest and Conservation Technician<br>•Environmental Engineering Technologist | •Quality Assurance Specialist<br>•HACCP Coordinator<br>•Storage and Hygiene Coordinator | •Seed Sales<br>•Nutrient Manager<br>•Shipping Coordinator | •Service Manager<br>•Fabrication Technician<br>•Power Systems Engineer |
| Bachelor Degree and beyond | •Agricultural Marketer/Communicator<br>•Agricultural Lender<br>•Agricultural Educator<br>•Agricultural Lawyer | •Feed Specialist/Nutritionist<br>•Geneticist<br>•Veterinarian | •Geneticist<br>•Embryologist<br>•Biochemist | •Environmental Manager<br>•Environmental Engineer<br>•Forester<br>•Water/Wastewater Engineer | •Food Scientist<br>•Meat Inspector<br>•Supply Chain Coordinator | •Precision Agriculture Specialist<br>•Safety Specialist<br>•Crop Specialist/Agronomist | •Precision Equipment Specialist<br>•Agricultural Engineer<br>•Geographic Information System Specialist |
| Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options | Click HERE for Postsecondary Options |

# Agriculture, Food, and Natural Resources Natural Resources Career Pathway

New North
Shawano High School 2023-2024

*A career pathway in high school must include:*

- A sequence of courses (including at least 2 CTE courses)
- Two of the following components: *Career and Technical Student Organization*, *Work-based Learning*, *Industry Recognized Credential*, *College Credit Opportunity*

| | | |
|---|---|---|
| **Career and Technical Education Courses** | Must include a sequence of at least TWO Career and Technical Education courses. Should align with Education Building Blocks for the pathway:<br>• Wildlife Management<br>• Forestry<br>• Aquaculture | **CAREER EXPLORATION PROGRAMS** |
| **Additional Employer Recommended Courses** | Should align with Education Building Blocks for this pathway:<br>• Horticulture<br>• Leadership | State:<br>•<br>•<br>Regional:<br>•<br>•<br>Local:<br>•<br>• |
| **Career and Technical Student Organization** | Wisconsin FFA Organization<br>National FFA Organization | |
| **Work-Based Learning Program Options** | • Supervised Agricultural Experiences (SAE) that meet state quality requirements<br>• Employability Skills (90 hrs)<br>• Wolf River Consortium Youth Apprenticeship (450 hrs/year; 1-2 years) | |

| | Agribusiness Systems | Animal Systems | Biotechnology Systems | Environmental & Natural Resource Systems | Food Products & Processing Systems | Plant Systems | Power, Structural, & Technical Systems |
|---|---|---|---|---|---|---|---|
| **Industry Recognized Credential Options**<br>Learn the skills that employers want to see!<br>*Italics = must be 18 years old to obtain* | | | | | | | |
| | | | | | | | |

| | |
|---|---|
| **College Credit Opportunities** | **You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE.** |

*2023-2024*