



Agriculture, Food, and Natural Resources Career Pathway - Plant Systems
 North Central Region
 Marshfield High School - 2023-2025



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 May also require work experience	Agribusiness and Biotechnology Systems	Animal Systems	Environmental & Natural Resource Systems/Forestry & Forest Products	Food Products & Processing Systems	Plant Systems	Power, Structural, & Technical Systems
High School Diploma, Certification	<ul style="list-style-type: none"> Farm Operations Manager Auctioneer Office Manager* Data Processor Research Assistant* Specimen Collector \$30,000-\$62,000 	<ul style="list-style-type: none"> NonFarm Animal Caretakers* Farmworkers, Farm, Ranch, Aquaculture Animal Workers Pet groomer \$28,000-\$31,000 	<ul style="list-style-type: none"> Field Operator* Logging Equipment Operator Forest Products/Saw Mill Technician Forest and Conservation Workers Recreation Program Lead* Visitors Services State Park* \$29,000-\$45,000 	<ul style="list-style-type: none"> Production Technician Material Handler* Slaughter Processor \$29,900-\$48,040 	<ul style="list-style-type: none"> Farmworkers, Crops, Nursery, Greenhouse Workers Pest Control Workers Landscaper* \$29,630-\$38,270 	<ul style="list-style-type: none"> Agricultural Equipment Operator* Truck Driver* \$30,000-\$60,000
Certification or Technical Diploma	<ul style="list-style-type: none"> Spanish Translation Coordinator* Biotechnology Lab Technical Assistant* Research Technician \$34,000-\$59,280 	<ul style="list-style-type: none"> Artificial Insemination Technician Farrier Livestock Hauler* \$25,000-\$42,000 	<ul style="list-style-type: none"> Sanitation Coordinator Propane and Fuel Transporter Forest Transporter* Mill Supervisor Log Yard Operator \$28,000-\$63,200 	<ul style="list-style-type: none"> Lab Technician* Sanitation Processor Evisceration Processor \$26,000-\$46,590 	<ul style="list-style-type: none"> Soil Testing Technician Custom Applicator Crop Scout \$32,300-\$54,000 	<ul style="list-style-type: none"> Service Technician* Diesel Mechanic Welder* Parts Sales Specialist \$30,000-\$70,000
Registered Apprenticeship		<ul style="list-style-type: none"> Dairy Grazier \$37,800-\$120,000 	<ul style="list-style-type: none"> Wastewater Treatment Plant Operator Arborist* Environmental Systems Technician and HVAC Installer Technician* Water and Wastewater Treatment Plant Worker \$38,000-\$58,675 	<ul style="list-style-type: none"> Maintenance Mechanic/Journeyworker* \$45,000 - \$59,000 	<ul style="list-style-type: none"> Organic Vegetable Farm Manager \$45,300-\$56,300 	<ul style="list-style-type: none"> Heavy Equipment Operator and Operating Engineer* Maintenance Technician* Welder-Fabricator* \$40,000-80,000
Associate Degree	<ul style="list-style-type: none"> Agricultural Salesperson* Technology Programmer* Biotechnology Lab Tech* Agricultural Tax Specialist Biotechnology Researcher Agricultural Information BioFuels Technician Agricultural Certification Spec. \$38,000-\$100,000 	<ul style="list-style-type: none"> Veterinary Technician* Breeding Manager Companion Animal Trainer* \$31,000-\$47,000 	<ul style="list-style-type: none"> Forest and Conservation Technician Forest Equipment Maintenance Technician* Arborist* Forest Product Specialist Log Grader Lumber Sales/Inspector Dry Kiln Operator \$36,750-\$74,930 	<ul style="list-style-type: none"> Supply Chain Associate* Quality Assurance Specialist HACCP Coordinator Storage and Hygiene Coordinator \$47,000-\$67,280 	<ul style="list-style-type: none"> Seed Sales* Nutrient Manager Shipping Coordinator \$44,000-\$61,410 	<ul style="list-style-type: none"> Service Manager Fabrication Technician* Power Systems Engineer \$40,000-65,000
Bachelor Degree and beyond	<ul style="list-style-type: none"> Agricultural Marketer/ Communicator Agricultural Lender Agricultural Educator* Agricultural Lawyer* Geneticist Embrvologist Biochemist* \$39,000-\$160,000 	<ul style="list-style-type: none"> Feed Specialist/Nutritionist* Geneticist Veterinarian \$53,280-\$111,000 	<ul style="list-style-type: none"> Environmental Engineer/Manager* Forester & Urban Forester Water/Wastewater Engineer Environmental Educator* Forestry Inventory Analyst Paper Scientist Geographic Information System Analyst \$45,000-\$137,000 	<ul style="list-style-type: none"> Food Scientist* Meat Inspector Supply Chain Coordinator* \$40,700-\$100,000 	<ul style="list-style-type: none"> Precision Agriculture Specialist* Safety Specialist* Crop Specialist/Agronomist* \$52,000-\$59,000 	<ul style="list-style-type: none"> Precision Equipment Specialist* Agricultural Engineer Geographic Information System Specialist* \$40,430-\$82,640
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

* BRIGHT OUTLOOK = these jobs are expected to grow in the future – which means more opportunities for you! XELLO = you can learn more and save this job in your Xello account (note: some job titles might look a little different in Xello)

Note: Educational requirements for some jobs may vary based on individual employer requirements



Agriculture, Food, and Natural Resources Career Pathway - Plant Systems

At Marshfield High School

Your Academic and Career Plan (ACP) for this career pathway starts here.

Use this page to determine which classes and activities you will take to prepare for this career pathway. Record your plan in XELLO.



Career and Technical Education Courses

Must include a sequence of at least TWO Career and Technical Education courses. Should align with CTE standards for the pathway:

- ES Agriscience
- ES Biotechnology
- ES Plant & Soil Science
- DC Forestry
- DC Horticulture
- Agribusiness Entrepreneurship
- Agribusiness Co-op

CAREER EXPLORATION PROGRAMS

Additional Employer Recommended Courses

Should align with CTE Standards for this pathway:

- State:
- -
- Regional:
- -
- Local:
- -

Career and Technical Student Organization

- [Wisconsin FFA Organization](#)
- [National FFA Organization](#)

Work-Based Learning Program Options

[Youth Apprenticeship](#), Agriculture Pathway (450 hrs/year; 1-2 years)
[Supervised Agricultural Experiences](#) that meet [state quality requirements](#)
 DPI Agriculture Co-op Program

Industry Recognized Credential Options
 Learn the skills that employers want to see!

Agribusiness Systems	Animal Systems	Biotechnology Systems	Environmental & Natural Resource Systems	Food Products & Processing Systems	Plant Systems	Power, Structural, & Technical Systems

College Credit Opportunities
 You can find the list of college credit opportunities included in the postsecondary options for this pathway [HERE](#).

College Courses Offered at Your High School	
Transcripted Credit <ul style="list-style-type: none"> • DC Forestry - Mid-State Technical College • DC Horticulture - Mid-State Technical College 	AP and/or IB Courses
College Courses You Can Take at a College Campus	
Application Deadlines: October 1st: Spring Courses February 1st: Summer Courses (ECCP only) March 1st: Fall Courses	
Start College Now	Early College Credit Program