



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



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*

<b>Career and Technical Education Courses</b>	Must include a sequence of at least TWO Career and Technical Education courses. Should align with CTE standards for the pathway:						<b>CAREER EXPLORATION PROGRAMS</b>
<b>Additional Employer Recommended Courses</b>	Should align with appropriate standards for this pathway						State:
<b>Career and Technical Student Organization</b>	<a href="#">Wisconsin FFA Organization</a> <a href="#">National FFA Organization</a>						Regional:
<b>Work-Based Learning Program Options</b>	<a href="#">Supervised Agricultural Experiences</a> that meet <a href="#">state quality requirements</a> <a href="#">Employability Skills</a> (90 hrs) <a href="#">Youth Apprenticeship</a> (450 hrs/year; 1-2 years)						Local:
	Agribusiness Systems	Animal Systems	Biotechnology Systems	Environmental & Natural Resource Systems	Food Products & Processing Systems	Plant Systems	Power, Structural, & Technical Systems
<b>Industry Recognized Credential Options</b> Learn the skills that employers want to see!  <i>Italics = must be 18 years old to obtain</i>	<a href="#">OSHA 10 For General Industry</a>						
	<a href="#">Microsoft Office Suite</a>  <a href="#">Center for Financial Responsibility Personal Financial Literacy Certification</a>	<a href="#">Artificial Insemination Certificate</a>  <a href="#">Youth for Quality Care of Animals Certificate</a>  <a href="#">Elanco Fundamentals of Animal Science Certification</a>  <a href="#">Elanco Veterinary Medical Applications Certification</a>  <a href="#">NHJTCA Equine Management &amp; Evaluation Certification</a>  <a href="#">Beef Quality Assurance Certificate</a>  <a href="#">Pork Quality Assurance Certificate</a>	<a href="#">Biotechnician Assistant Credentialing Exam</a>	<a href="#">Ducks Unlimited Ecology Conservation &amp; Management Certification</a>  <a href="#">Hunter Education Certificate</a>  <a href="#">Boating Safety Certificate</a>  <a href="#">ATV Safety Certificate</a>  <a href="#">Safety and Wood Worker Training Program</a>  <a href="#">Lifeguarding</a>  <a href="#">First Aid</a>  <a href="#">CPR</a>	<a href="#">FASafe Certification</a>  <a href="#">AMSA Food Safety &amp; Science Certification</a>  <a href="#">AMSA Meat Evaluation Certification</a>	<a href="#">Pesticide Applicators Certification</a>  <a href="#">BASF Plant Science Certification</a>  <a href="#">Horticultural Certification (SnapOn)</a>  <a href="#">Landscape Technician Certification - National Association of Landscape Professionals</a>  <a href="#">Master Gardener</a>	<a href="#">Multimeter Certification</a>  <a href="#">Precision Measuring Certification</a>  <a href="#">EETC Principles of Small Engine Technology Certification</a>  <a href="#">Wisconsin Youth Tractor &amp; Machinery Safety Certification</a>
<b>College Credit Opportunities</b>	You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a> .						



**Agriculture, Food, and Natural Resources Career Pathway**  
At (Name of 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.



<b>Career and Technical Education Courses</b>	Must include a sequence of at least TWO Career and Technical Education courses. Should align with CTE standards for the pathway: <ul style="list-style-type: none"> <li>• CTE Course #1</li> <li>• CTE Course #2</li> <li>• CTE Course #3</li> <li>• CTE Course #4</li> </ul>						<b>CAREER EXPLORATION PROGRAMS</b>
<b>Additional Employer Recommended Courses</b>	Should align with CTE Standards for this pathway: <ul style="list-style-type: none"> <li>• Course #1</li> <li>• Course #2</li> <li>• Course #3</li> </ul>						State: <ul style="list-style-type: none"> <li>•</li> </ul> Regional: <ul style="list-style-type: none"> <li>•</li> </ul> Local: <ul style="list-style-type: none"> <li>•</li> </ul>
<b>Career and Technical Student Organization</b>	Name of CTSO						
<b>Work-Based Learning Program Options</b>	<ul style="list-style-type: none"> <li>• WBL Option #1</li> <li>• WBL Option #2</li> </ul>						
<b>Industry Recognized Credential Options</b> Learn the skills that employers want to see!  <i>Italics = must be 18 years old to obtain</i>	<b>Agribusiness Systems</b>	<b>Animal Systems</b>	<b>Biotechnology Systems</b>	<b>Environmental &amp; Natural Resource Systems</b>	<b>Food Products &amp; Processing Systems</b>	<b>Plant Systems</b>	<b>Power, Structural, &amp; Technical Systems</b>
	IRC Name/link #1 IRC Name/link #2						
	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2	IRC Name/link #1 IRC Name/link #2
<b>College Credit Opportunities</b>  You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a> .	<b>College Courses Offered at Your High School</b>						
	<b>Transcripted Credit</b> <ul style="list-style-type: none"> <li>• Name of HS Course #1, IHE granting credit</li> <li>• Name of HS Course #2, IHE granting credit</li> </ul>			<b>AP and/or IB Courses</b> Name of AP/IB Course #1                      Name of AP/IB Course #2 - Score, College, Course                      - Score, College, Course			
	<b>College Courses You Can Take at a College Campus</b> <b>Application Deadlines:</b>						
	<b>Start College Now</b> <ul style="list-style-type: none"> <li>• Name of College #1, College Course #1</li> <li>• Name of College #1, College Course #2</li> </ul>		<b>October 1st: Spring Courses</b>		<b>February 1st: Summer Courses (ECCP only)</b>		<b>March 1st: Fall Courses</b>
<b>Early College Credit Program</b> <ul style="list-style-type: none"> <li>- Name of College #1, College Course #1</li> <li>- Name of College #2, College Course #1</li> </ul>					<ul style="list-style-type: none"> <li>- Name of College #1, College Course #2</li> <li>- Name of College #2, College Course #2</li> </ul>		