



Agriculture, Food, & Natural Resources Career Pathway

MadREP 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).

Educational Level <small>May also require work experience</small>	Agribusiness Systems	Animal Systems	Food Products & Processing Systems	Plant Systems	Power, Structural, & Technical Systems
High School Diploma or Certification	<ul style="list-style-type: none"> • Administrative Assistant • Auctioneer ○ • Farm Operations Mgr. ○ * • Shipping & Receiving Clerk ○ <p style="text-align: center;">Range \$31,500-\$61,960</p>	<ul style="list-style-type: none"> • Non-Farm Animal Caretakers ○ * • Farmworkers, Farm, Ranch, Aquaculture Animals ○ * • Pet groomer ○ <p style="text-align: center;">Range \$26,290-\$46,160</p>	<ul style="list-style-type: none"> • Production Technician • Machine Operator • Material Handler • Sanitation Processor • Slaughter Processor * <p style="text-align: center;">Range \$27,700-\$55,690</p>	<ul style="list-style-type: none"> • Farmworkers, Crops, Nursery, Greenhouse Workers * • Landscaper ○ • Pest Control Workers ○ <p style="text-align: center;">Range \$28,060-50,000</p>	<ul style="list-style-type: none"> • Ag Equipment Operator * • Customer Service Rep. * • Parts Sales Specialist • Truck Driver ○ * • Warehouse Clerk ○ * <p style="text-align: center;">Range \$27,030-\$56,160</p>
Certification or Technical Diploma	<ul style="list-style-type: none"> • AP/AR Accounting Associate * • Office Manager • Shift Supervisor • Spanish Translation Coordinator * <p style="text-align: center;">Range \$42,410-\$76,700</p>	<ul style="list-style-type: none"> • Artificial Insemination Technician • Farm Supervisor • Farrier • Livestock Hauler * <p style="text-align: center;">Range \$27,400-\$61,960</p>	<ul style="list-style-type: none"> • Evisceration Processor ○ • Food Processing Operator • Lab Technician • Licensed WI Cheesemaker • Maintenance Mechanic • Shift Supervisor <p style="text-align: center;">Range \$32,270-\$76,700</p>	<ul style="list-style-type: none"> • Crop Scout • Custom Applicator * • Soil Testing Technician <p style="text-align: center;">Range \$32,750-57,900</p>	<ul style="list-style-type: none"> • Diesel Mechanic ○ * • Heavy Equipment Tech. * • Paint Technician • Service Technician ○ * • Welder ○ * <p style="text-align: center;">Range \$35,370-64,690</p>
Registered Apprenticeship <small>"Learn and Earn"</small>		<ul style="list-style-type: none"> • Dairy Grazier <p style="text-align: center;">Range \$56,850-\$84,910</p>	<ul style="list-style-type: none"> • Maintenance Mechanic/Journeyworker • Maintenance Technician <p style="text-align: center;">Range \$43,300-\$64,850</p>	<ul style="list-style-type: none"> • Organic Vegetable Farm Manager <p style="text-align: center;">Range \$41,040-61,960</p>	<ul style="list-style-type: none"> • Heavy Equipment Operator & Operating Engineer ○ * • Maintenance Technician * • Welder-Fabricator ○ * <p style="text-align: center;">Range \$34,360-\$64,850</p>
Associate Degree <small>or Equivalent Experience</small>	<ul style="list-style-type: none"> • Agricultural IT Programmer * • Ag Marketer/Communicator • Agricultural Salesperson • Production Manager • Supply Chain Associate * <p style="text-align: center;">Range \$51,040-\$125,550</p>	<ul style="list-style-type: none"> • Companion Animal Trainer • Veterinary Technician ○ * <p style="text-align: center;">Range \$33,490-\$43,170</p> <ul style="list-style-type: none"> • Breeding Manager ○ • Farm Manager <p style="text-align: center;">Range \$46,480-\$105,720</p>	<ul style="list-style-type: none"> • Computer Network Spec ○ • HACCP Coordinator • Quality Assurance Spec. • Robotics Technician • Storage & Hygiene Coord <p style="text-align: center;">Range \$32,750-\$81,300</p>	<ul style="list-style-type: none"> • Seed Sales • Nutrient Manager • Shipping Coordinator * <p style="text-align: center;">Range \$37,550-82,460</p>	<ul style="list-style-type: none"> • Service Manager • Fabrication Technician * • Planner/Scheduler • Power Systems Engineer * • Sales Representative ○ <p style="text-align: center;">Range \$36,270-\$85,140</p>
Bachelor Degree and beyond <small>or Equivalent Experience</small>	<ul style="list-style-type: none"> • Agricultural Educator ○ * • Agricultural Lawyer • Agricultural Lender • Commodity Buyer & Trader • Controller/CFO <p style="text-align: center;">Range \$45,660-\$177,370</p>	<ul style="list-style-type: none"> • Feed Specialist/Nutritionist * • Geneticist ○ • Veterinarian ○ * <p style="text-align: center;">Range \$41,9400-\$124,060</p>	<ul style="list-style-type: none"> • Food Scientist ○ • Meat Inspector ○ * • Process Engineer • Quality Manager • Supply Chain Coordinator * <p style="text-align: center;">Range \$39,940-\$115,520</p>	<ul style="list-style-type: none"> • Agronomist/Crop Spec. ○ * • Computer Engineer • Precision Agriculture Spec. * • Product Development • Safety Specialist <p style="text-align: center;">Range \$38,630-94,250</p>	<ul style="list-style-type: none"> • Agricultural Engineer ○ * • Geographic Info System Specialist ○ * • Mechanical Engineer • Precision Equipment Spec. * <p style="text-align: center;">Range \$41,370-\$104,260</p>
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. Wage ranges are based on average entry level to average experienced.



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*

<p>Career and Technical Education Courses</p>	<p>Must include a sequence of at least TWO Career and Technical Education courses. Should align with CTE standards for the pathway:</p> <ul style="list-style-type: none"> ▪ ▪ ▪ 				<p style="text-align: center;">CAREER EXPLORATION PROGRAMS</p> <p>National:</p> <ul style="list-style-type: none"> • Professional Agriculture Student Organization (PAS) <p>State:</p> <ul style="list-style-type: none"> • • <p>Regional:</p> <ul style="list-style-type: none"> • • <p>Local:</p> <ul style="list-style-type: none"> • 				
<p>Additional Employer Recommended Courses</p>	<p>Should align with CTE standards for this pathway:</p> <ul style="list-style-type: none"> ▪ ▪ 								
<p>Career and Technical Student Organization</p>	<ul style="list-style-type: none"> • Wisconsin FFA Organization • National FFA Organization • CTSO Crosswalk 								
<p>Work-Based Learning Program Options</p>	<ul style="list-style-type: none"> ▪ Supervised Agricultural Experiences that meet state quality requirements ▪ Employability Skills (90 hrs) ▪ Youth Apprenticeship (450 hrs/year; 1-2 years) 								
<p>College Credit Opportunities</p>	<p>You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE.</p>								
<p>Industry Recognized Credential Options</p> <p>Learn the skills that employers want to see!</p> <p><i>Italics = must be 18 years old to obtain</i></p> <p>Certifications eligible for reimbursement through the technical incentive grant</p>	<p style="text-align: center;">Agribusiness Systems</p>	<p style="text-align: center;">Animal Systems</p>	<p style="text-align: center;">Food Products & Processing Systems</p>	<p style="text-align: center;">Plant Systems</p>	<p style="text-align: center;">Power, Structural, & Technical Systems</p>				
	<p>----- OSHA 10 For General Industry -----</p>								
<ul style="list-style-type: none"> • Microsoft Office Suite • Center for Financial Responsibility Personal Financial Literacy Certification 	<ul style="list-style-type: none"> • Artificial Insemination Certificate • Youth for Quality Care of Animals Certificate • Elanco Fundamentals of Animal Science Certification • Elanco Veterinary Medical Applications Certification • NHJTCA Equine Management & Evaluation Certification • Beef Quality Assurance Certificate • Pork Quality Assurance Certificate 	<ul style="list-style-type: none"> • FaBsafe Certification • AMSA Food Safety & Science Certification • AMSA Meat Evaluation Certification • HACCP • Preventive Controls Qualified Individual (PCQI) • Lean Process Certification 	<ul style="list-style-type: none"> • Pesticide Applicators Certification • BASF Plant Science Certification • Horticultural Certification (SnapOn) • Landscape Technician Certification - National Association of Landscape Professionals • Master Gardener 	<ul style="list-style-type: none"> • Multimeter Certification • Precision Measuring Certification • EETC Principles of Small Engine Technology Certification • Wisconsin Youth Tractor & Machinery Safety Certification • Commercial Drivers License (CDL) 					



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: <ul style="list-style-type: none"> • CTE Course #1 • CTE Course #2 • CTE Course #3 • CTE Course #4 						CAREER EXPLORATION PROGRAMS State: <ul style="list-style-type: none"> • • Regional: <ul style="list-style-type: none"> • • Local: <ul style="list-style-type: none"> • • 							
Additional Employer Recommended Courses	Should align with CTE Standards for this pathway: <ul style="list-style-type: none"> • Course #1 • Course #2 • Course #3 													
Career and Technical Student Organization	Name of CTSO													
Work-Based Learning Program Options	<ul style="list-style-type: none"> • WBL Option #1 • WBL Option #2 													
Industry Recognized Credential Options Learn the skills that employers want to see! <i>Italics = must be 18 years old to obtain</i>	Agribusiness Systems		Animal Systems		Biotechnology Systems		Environmental & Natural Resource Systems		Food Products & Processing Systems		Plant Systems		Power, Structural, & Technical Systems	
	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	
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"> • Name of HS Course #1, IHE granting credit • Name of HS Course #2, IHE granting credit 						AP and/or IB Courses Name of AP/IB Course #1 - Score, College, Course Name of AP/IB Course #2 - Score, College, Course							
	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 <ul style="list-style-type: none"> • Name of College #1, College Course #1 • Name of College #1, College Course #2 						Early College Credit Program - Name of College #1, College Course #1 - Name of College #2, College Course #1 - Name of College #1, College Course #2 - Name of College #2, College Course #2							