Annual Agricultural Education Fall In Service



WISCONSIN DEPARTMENT OF
Public Instruction
Jill K. Underly, PhD, State Superintendent

Get to know one another

- Name & School
- Years teaching
- What is your favorite agriculture class to teach?
- Something you enjoy doing (outside of Ag Ed/FFA)

Staff Update



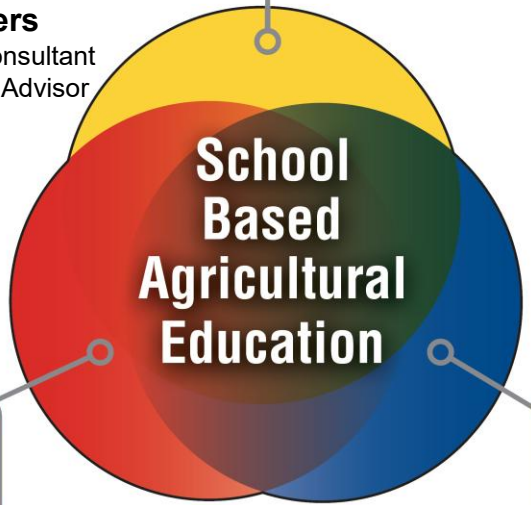
CLASSROOM/ LABORATORY

Contextual, *inquiry*-based instruction and learning through an interactive classroom and laboratory.

Missy Goers
AFNR Ed Consultant & State FFA Advisor



Jen Russell
Managing Director of Chapter and Member Programming



SAE

Experiential, service and/or work-based learning through the *implementation* of a supervised agricultural experience program.



Cheryl Zimmerman
Executive Director of Leadership Programming

FFA

Premier leadership, personal growth and career success through *engagement* in FFA.

Wisconsin FFA: Who to Contact

FFA Center Executive Director of Leadership Programming

Day of Service
Fall Leadership Workshops
Farm Forum
FFA Calendar
FFA Center Fee
FIRE Conference
Halftime Leadership Conference
Membership Rosters
National FFA Official Delegates
National FFA Week
National Leadership Conferences
National Officer Candidate
New Teacher State and National FFA Accounts
State Leadership Conferences
State FFA Convention
- *Convention Managers **Registration
- *State Officer Duties * Sessions
- *Public Relations *Meals & housing
- *State Officer Selection

State Officer Duties and Activities
-State Officers and Farm Shows
-State Officers and National AG Day
-State Officers at Farm Tech Days
-State Officers at State Fair
-State Officers at World Dairy Expo
-State Officer Training
- State Officer Visits

State Honors Band and Chorus

FFA Center Managing Director of Chapter and Member Programming

Agriscience Fair
American FFA Degrees
FFA Star Degrees
Food for America
LDEs
Middle School Essay Contest
National Chapter
Proficiency Awards
SAE for All
Scholarships
State FFA Convention
- *Convention Managers
- *Membership Awards
- *Ag Art Work
- *Chapter Scrapbook
- *Convention Competitions
- *Convention Recognition Programs
- *Convention Judges

State FFA Degrees
State Honorary Degrees
State Proficiency Judging
State Talent
State Safe Tractor Operators Contest
Three Star Leader
World Dairy Expo Contests
CDES- *works with WAAE CDE Coordinators to communicate with ag teachers*

DPI

Affiliation Fee/Membership/Dues
Conference Billing
Curriculum
Fall Ag Ed Inservice
Farm Technology Days
Jag Lake
List Serve
Membership
National Officer Candidate
Science Based Equivalency
Standards

DPI Updates Agenda

Modernized Career Clusters

NTO

Resources

Reminders

Modernized Cluster Framework

Modernized National Career Cluster Framework (14 clusters)
Advanced Manufacturing
Agriculture
Arts, Entertainment, & Design
Construction
Digital Technology
Education
Energy & Natural Resources
Financial Services
Healthcare & Human Services
Hospitality, Events, & Tourism
Management & Entrepreneurship
Marketing & Sales
Public Service & Safety
Supply Chain & Transportation



Career Clusters | Department of Public Instruction

Modernized Cluster Framework

Career Clusters (16 clusters)	Modernized National Career Cluster Framework (14 clusters)
Agriculture, Food & Natural Resources	Agriculture
Architecture & Construction	Construction
Arts, A/V Technology & Communications	Arts, Entertainment & Design
Business Management & Administration	Management & Entrepreneurship
Education and Training	Education
Finance	Financial Services
Information Technology	Digital Technology
Hospitality and Tourism	Hospitality and Events
Marketing	Marketing & Sales
Transportation, Distribution and Logistics	Supply Chain & Transportation
Government and Public Administration	Public Service & Safety
Law, Public Safety, Correction & Security	Public Service & Safety
Health Science	Healthcare & Human Services
Human Services	Healthcare & Human Services
Manufacturing	Advanced Manufacturing
STEM	Advanced Manufacturing
	Energy & Natural Resources

Agriculture

Cultivating Sustainability and Nourishing the World

The Agriculture Career Cluster concentrates on the scientific advancement of agriscience, cultivation, processing, and distribution of agricultural products, employing advanced technologies and sustainable practices to optimize global food systems. This cluster also supports other plant- and animal-based industries, including regenerative agriculture, sustainable logging, and fisheries. This cluster has meaningful connections with the Energy and Natural Resources Cluster, highlighting a symbiotic relationship that emphasizes stewardship and resilient communities.

Non-Traditional Occupation - Female

Energy & Natural Resources

Powering Progress and Preserving Our Planet

The Energy & Natural Resources Career Cluster spans careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction. These industries focus on efficient and responsible resource management, including conservation, transmission, distribution, and storage, to minimize environmental impacts and meet global energy needs. Careers in this cluster are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for generations to come.

Non-Traditional Occupation - Female

Energy Courses for Local Pathway

- Natural Resources, Forestry, & Wildlife courses are now coded as Energy cluster and NOT agriculture

- Courses are shared with tech ed

- Courses | Department of Public Instruction

How to Download Course Spreadsheet

Courses

Course Reference: Roster



Courses refer to the classes students take throughout their school day. All courses are associated with an identifying code. DPI assigns a Roster code, but each LEA will also assign a local course code to any course offered in their system. Local schools/districts will also define the curriculum associated with their offered courses, the organization of subject matter for each course, and the related learning experiences each course will provide. Courses are available in the School Roster Detail of the WISEdata portal. Depending on grade level or program associations, certain courses may have specific reporting requirements.

Course data is collected at the school level. Schools can set up and submit Course Offerings data only after they submit Grading Period and Session information to Roster. As a Roster endpoint, the 'Courses' entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis. Note - DPI populates this endpoint. Schools use DPI's Course listing to select the appropriate course codes for submission.

LEAs now have the ability to view, filter and export the entire Courses list within the WISEdata Portal:

1. Click **Exports**.
2. In the **Collection** dropdown, select **Roster**.
3. Scroll down to the "Courses" export.

Note: DPI strongly recommends that you access the Courses list via WISEdata Portal, as this will provide the most up-to-date information. As an exception, before a school year has started, DPI may post the courses list on this webpage before it becomes available in WISEdata Portal.

New! for the 2026-27 School Year: The WISEdata Portal Courses Export (Roster > Courses) will also feature a column indicating which courses are "Concentrator" courses, or students who have achieved a "Concentrator" designation.

Uses

This data element links a course to a particular subject matter and curriculum and the school/agency that offers it. The user will select the appropriate course code, and then DPI will link that code behind the scenes to the sessions, grading periods, student, etc....

Download all 2026-27 courses as CSV

Download the 2026-27 file

Filter to Energy & Natural Resources Cluster

School	Roster	Course Title	Subject Area	Course Description	CTE Co	CTE Cluster					SCED Code
2027	12193	PLTW Environmental Sustainability	21 Engineering and Tech	Following Project Lead the Way's s	Yes	Energy & Natural Resources	(C	Y	Pr	N/A	N/A	21024
2027	3632	Wind Turbine Construction and Operation	21 Engineering and Tech	Wind Turbine Construction and Op	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	21061
2027	3637	Wind Energy	21 Engineering and Tech	Wind Energy courses introduce stu	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	21060
2027	4337	Natural Resources-Other	18 Agriculture, Food, an	Other Natural Resources courses.	Yes	Energy & Natural Resources	(C	N	N/	N/A	N/A	18549
2027	4342	Natural Resources-Workplace Experience	18 Agriculture, Food, an	Natural Resources-Workplace Exp	Yes	Energy & Natural Resources	(C	N	N/	N/A	N/A	18548
2027	4347	Natural Resources-Independent Study	18 Agriculture, Food, an	Courses in Natural Resources-Inde	Yes	Energy & Natural Resources	(C	N	N/	N/A	N/A	18547
2027	4352	Alternative Energy	18 Agriculture, Food, an	Alternative Energy courses help stu	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	18506
2027	4357	Particular Topics in Natural Resources	18 Agriculture, Food, an	These courses examine specific to	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	18505
2027	4362	Natural Resources Management	18 Agriculture, Food, an	Natural Resources Management c	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	18504
2027	4367	Forestry Management	18 Agriculture, Food, an	Formerly known as Forestry, Forest	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	18502
2027	4372	Wildlife and Recreation Management	18 Agriculture, Food, an	Formerly known as Wildlife Manage	Yes	Energy & Natural Resources	(C	Y	N/	N/A	N/A	18501

2026-2027_Courses

Course titles may not be the same as local but read the course descriptions to match to your local pathway.

NTO Defined

- **Non-traditional fields (non-traditional occupations)**: occupations or fields of work for which individuals from one gender comprise less than 25 percent of the individuals employed in each such occupation or field of work.

- Perkins "Consolidated Annual Report" measures CTE Concentrators by cluster.

- NTO is only used for Perkins (4S1 Nontraditional Program Concentration – one of the seven indicators for Perkins accountability)

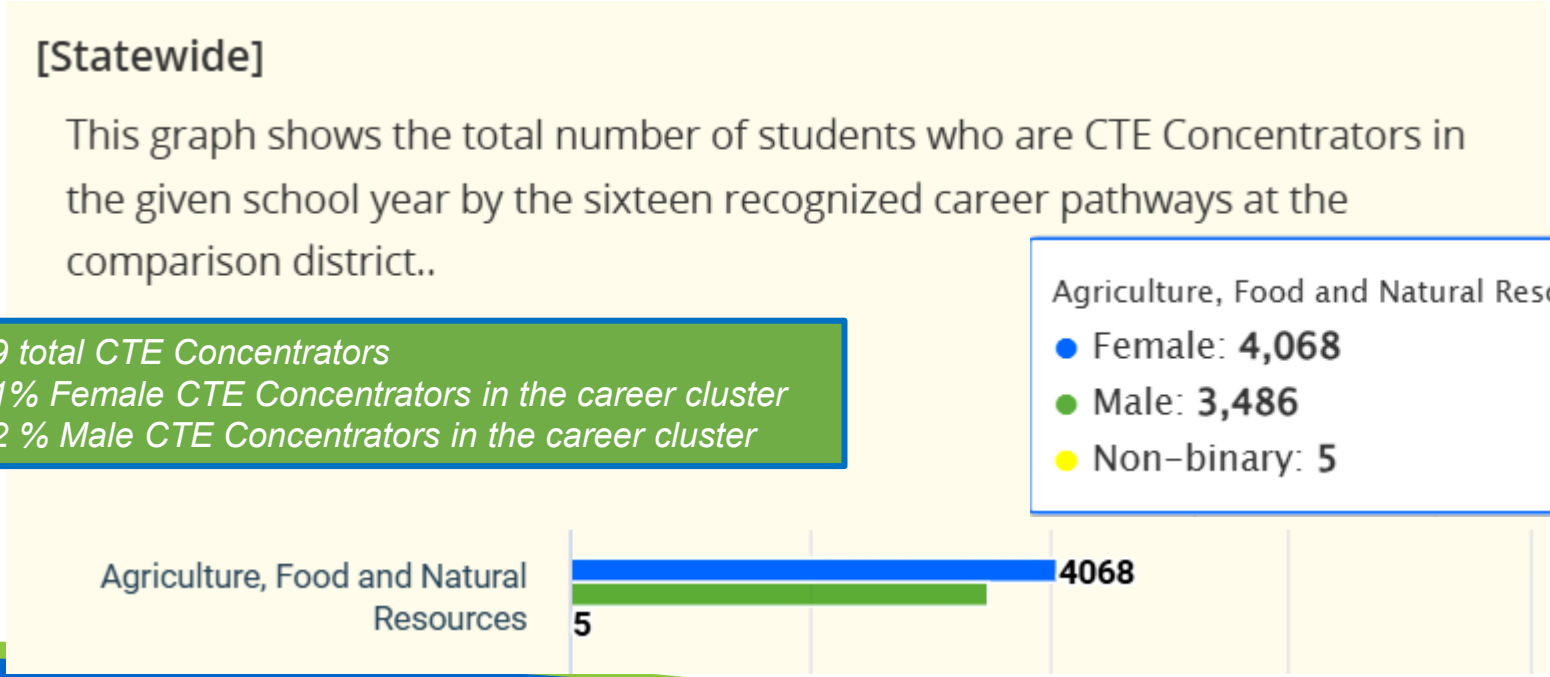
The Strengthening Career and Technical Education for the 21st Century Act (Perkins V) Sec. 3. Definitions (33)

Cluster and NTO

Modernized Career Clusters	NTO
Advanced Manufacturing	F
Agriculture	F
Arts, Entertainment & Design	
Construction	F
Digital Technology	F
Education	M
Energy and Natural Resources	F
Financial Services	
Healthcare & Human Services	M
Hospitality, Events & Tourism	
Management & Entrepreneurship	
Marketing & Sales	
Public Service & Safety	F
Supply Chain & Transportation	F

NTO in Agriculture and Energy & Natural Resources

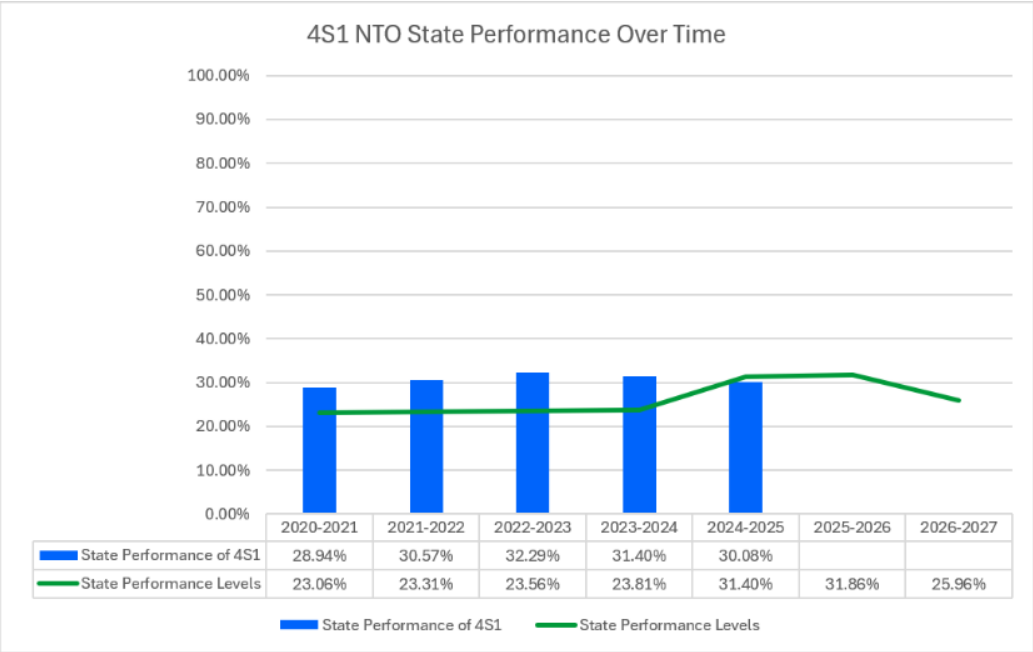
- By 2030, Agriculture and Energy & Natural Resources clusters may not be considered NTO (Wisconsin is doing great with females in agriculture)



- *7,559 total CTE Concentrators*
- *53.81% Female CTE Concentrators in the career cluster*
- *46.12 % Male CTE Concentrators in the career cluster*

Perkins 4S1 State Data & Local Connection

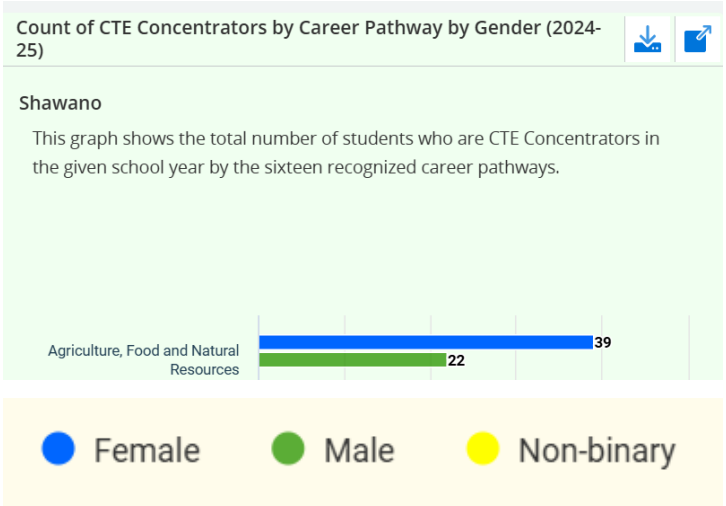
The overall NTO performance measure level for 26-27 SY is 25.96%. How can we help reach this?

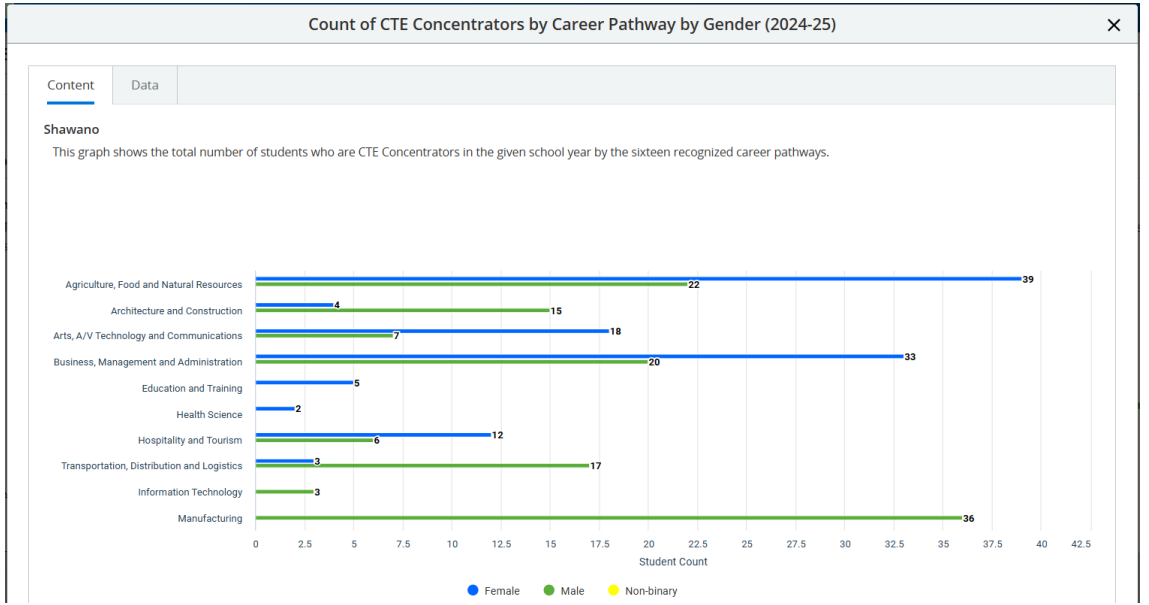


	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027
State Performance of 4S1	28.94%	30.57%	32.29%	31.40%	30.08%		
State Performance Levels	23.06%	23.31%	23.56%	23.81%	31.40%	31.86%	25.96%

Local Connection

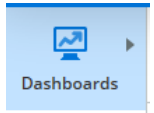
At local level, we must work together as a full CTE team to encourage participation in all areas!

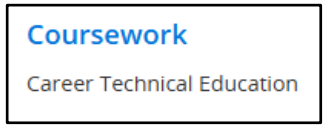


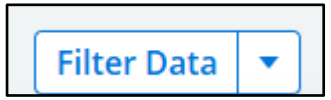


How to Find Your Local Data

1. Go to WISEdash Public Portal.
   (Google "WISEdash Public Portal" or use "Data and Media" on the blue navigation bar at www.dpi.wi.gov, click on WISEdash).

2. Click on the Dashboards 

3. Click on Career Technical Education. It is located under Coursework. 

4. Click on Filter Data, select CTE Student Type as Concentrators. 

5. Click on Group by, select Gender.

6. Click on District, select your district.

Resources

- Farm 2 School (F2S)
  - Wisconsin Farm to School - Hydroponic Tower Awards
- Environmental Education
- Beef in the Classroom Grant
- Potatoes in the Classroom Grant
- Veggie Seed Partnership
- Ag Ed Newsletter via DPI

Reminders

- **Licensing**
  - Each teacher is unique in needs so reach out directly to licensing by completing this inquiry.
  - This link outlines instructions for how to apply for the experience-based technical and vocation education license.
- **Ag Science Equivalency**
  - Updated form & resources, please access here
- **Accounts Payable/Invoicing**
  - Please stay up to date with paying invoices for FFA through online portal.

Jen's Presentation



THANK YOU!

Please complete the short evaluation for today's in-service programming. Thanks for coming and safe travels home!

2026 DPI In-Service Feedback Form