



Minnesota Dual-Training Pipeline
Agriculture Industry Forum
February 7, 2023

Agenda

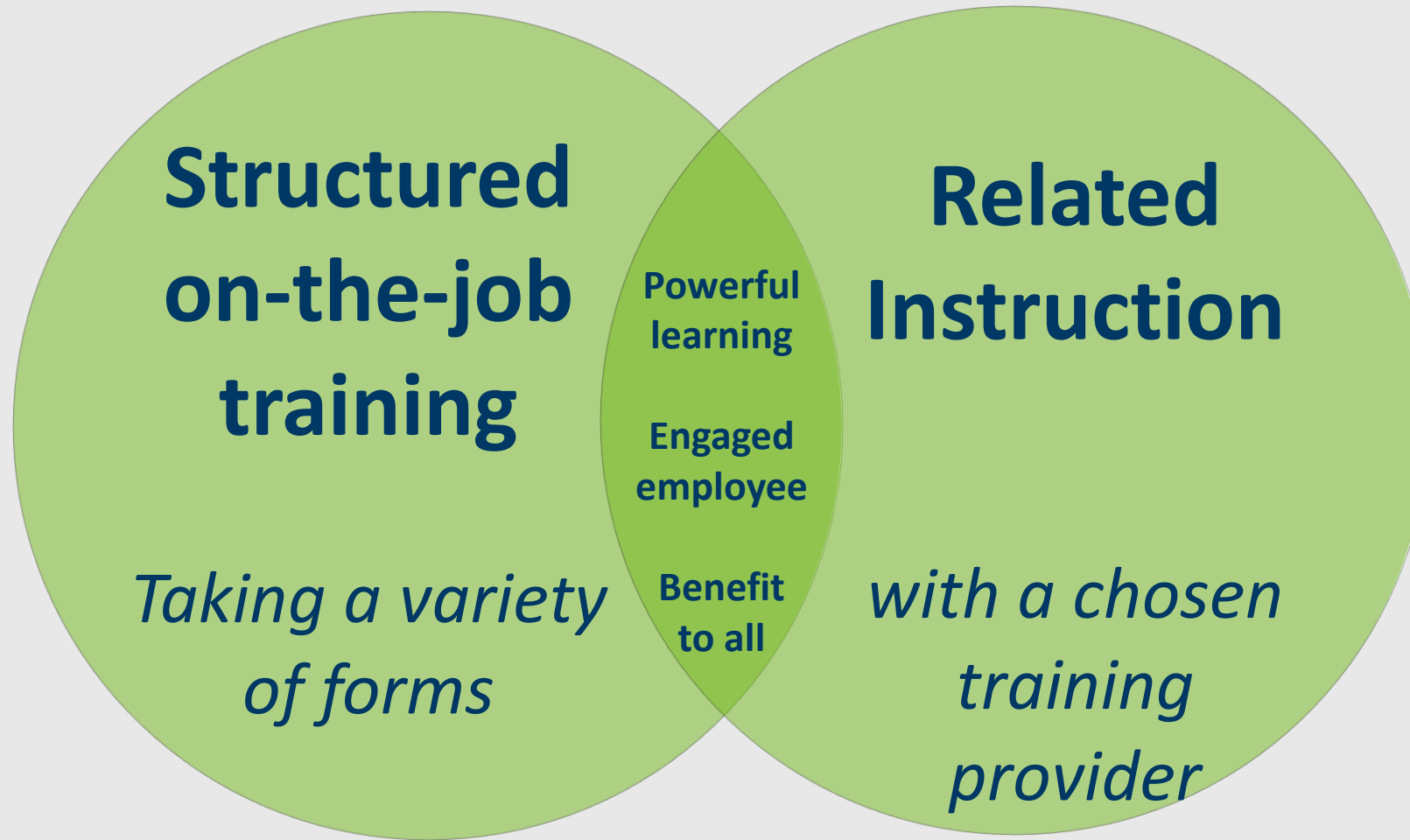
- Introductions/ Welcome
- Minnesota Dual-Training Pipeline overview and updates
- New Agriculture Occupation
- New trends in agriculture
- OHE Dual Training grant update
- Wrap up/ conclusion

What is Minnesota Dual-Training Pipeline?



- Source of support to employers to develop their own employment-based, dual-training programs
- An innovative approach to address current and future workforce needs in the key industries of **advanced manufacturing, agriculture, health care services and information technology**
- Private Investment, Public Education, Labor and Industry Experience

Employment-Based Training



Minnesota Dual-Training Pipeline Strategies

- **Industry Forums:** *Inform and direct* Minnesota Dual-Training Pipeline on industry trends and needs through discussion and strategic planning aimed to expand dual training.
- **Competency Councils:** *Define and identify* specific occupational competencies for the four key industries.
- **Dual-Training Consulting:** *Create and disseminate* dual training resources for employers, employees and dual trainees: toolbox, grants, and expanding mentorship networks to set up dual training.

January Speaker Series Recap



Download the [power point](#) and [handout](#).

Ideas for future topics?

Let us know what else you might like to learn about.

Agriculture Occupations

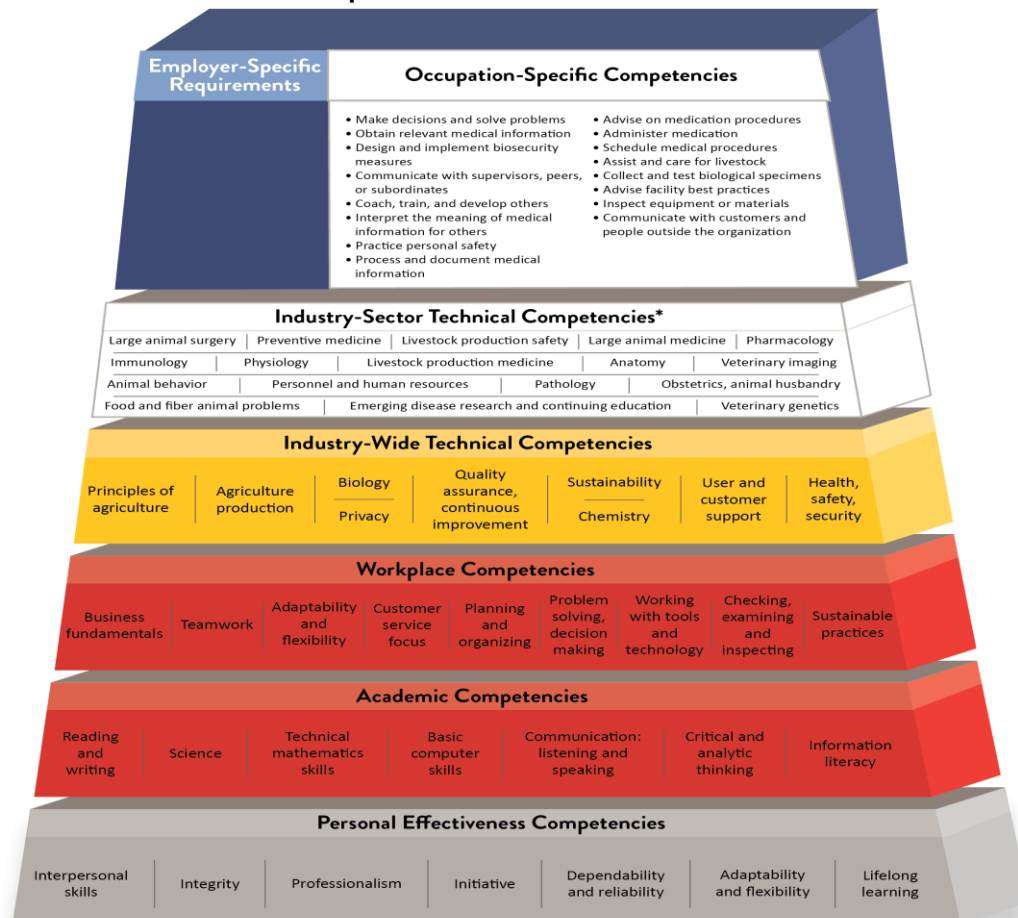
- Agriculture Equipment Mechanic
- Agronomist
- Agriculture Finance/ Lender
- Application Technician
- Crop Farm Manager
- Farm Animal Manager
- Grain Merchandiser
- Horticulture Farm Manager
- Meat Cutter/Meat Processor
- Quality Assurance/Food Safety Supervisor
- Swine Technician (grow finish)
- Swine Technician (sow farm)

Minnesota Dual-Training Pipeline Occupations – Factors for Adding New Occupations

- Two or more employers state need;
- Must offer a pathway to a livable wage: \$19.40/hour (based on a family with one child, one full-time and one part-time employed adult);
- Must be in-demand (Labor Market Information: Three stars is ideal);
- Must offer a career pathway; and
- Must lend itself to the dual-training model.

New Agriculture Occupation – Livestock Veterinarian

Minnesota Dual-Training Pipeline Competency Model for Agriculture Occupation: Livestock Veterinarian



Based on: Competency Model Employment and Training Administration, United States Department of Labor.

* Pipeline recommends the Industry-Sector Technical Competencies as formal training opportunities (provided through related instruction) and the Occupation-Specific Competencies as on-the-job training opportunities.

[Livestock Veterinarian | Minnesota Department of Labor and Industry \(mn.gov\)](https://mn.gov/labor-and-industry/)

Trends in Agriculture through 2030 –



[Minnesota: 2030 industry chapter: Food and agriculture | Minnesota Chamber of Commerce \(mnchamber.com\)](#)

SIX TRENDS THAT WILL SHAPE THE FUTURE OF FOOD

1. Understanding consumers and consumer preferences.
2. Technology and talent are keys to leading on innovation.
3. Natural resources and environmental concerns are a Minnesota advantage and challenge.
4. Automation will drive productivity and wages but require a nimble workforce strategy to reduce displacement and ensure a skilled workforce.
5. Growth will be concentrated in emerging markets in Asia and Africa.
6. Long-standing challenges must be addressed to capitalize on opportunities.

Minnesota rural state in 2023 –

The takeaways for 2022

- **People-** Population shift slowing
- **Economic Vitality-** Wage growth and increased job openings
- **Agriculture-** Stabilizing land value and increased farm net incomes



[The State of Rural 2023 | Center for Rural Policy and Development \(ruralmn.org\)](https://ruralmn.org)



Notes from Agriculture Trends Conversation

Notes from Agriculture Trends Conversation:

Attendees discussed that automation and technology is indeed transforming agriculture.

The college leaders in attendance shared how they are working to offer more precision agriculture and mechatronics type curriculum into their academic programs. They noted how equipment costs are sometimes proving to be prohibitive.

The group also discussed a need to offer more exposure activities for secondary education, especially around the aspects of technology in agriculture. Discussed how ag companies could get more connected to robotics teams for example.

One attendee noted that research associates, production technicians and agronomists are their hardest to fill jobs at the moment.

- Grants are available to cover the cost of related instruction (tuition, fees, books, and materials) – Grant application will open again in spring of 2023; more details on the grant can be found here: <https://www.ohe.state.mn.us/mPg.cfm?pageID=2160>
- \$6,000/student employee per year; Maximum grant is \$150,000 per employer per year; It is a reimbursement model for payments to the company.
- If employer exceeds \$25 million in annual gross revenue from 2022, 25% match is required;
- Employers (or representative of) may apply if:
 - Employees will be trained in an eligible occupation;
 - Employees have not yet attained competency standards;
 - Permanent work location in Minnesota.

2023 Application Timeline

- Request for Application Opens: March 1, 2023
- Application Writing Workshops: March 8th at 10:00am and March 9th at 1:00pm (Click [HERE](#) for more info)
- Request for Application Closes: April 3, 2023
- Applicants Notified about Awards: May 9, 2023

Contact: Jacquelynn.Mol.Sletten@state.mn.us

Upcoming Minnesota Dual-Training Pipeline Events

Pipeline 101

February 21, 2023 from 9am-10am [Register to attend here](#)

April 18, 2023 from 9am-10am [Register to attend here](#)

OHE Dual Training Grant Writing Workshops

March 8, 2023 from 10am-Noon – Registration link [available here](#)

March 9, 2023 from 1pm-3pm – Registration link [available here](#)

Save the Date - Upcoming All-Industry Forum

June 13, 2023 from 9am-10am

Thank You!



Dan Solomon
Program Manager
651-284-5355

dan.solomon@state.mn.us



Kathleen Gordon
Program Consultant
651-284-5388

kathleen.gordon@state.mn.us



Erik Holtan
Program Consultant
651-284-5032

erik.holtan@state.mn.us



Alana McDevitt
Program Specialist
651-284-5341

alana.mcdevitt@state.mn.us