

Minnesota Dual-Training Pipeline Advanced Manufacturing Industry Forum February 7, 2023





Agenda

- Introductions/ Welcome
- Minnesota Dual-Training Pipeline overview and updates
- New Manufacturing Occupation
- Example of Manufacturing Employer doing Pipeline KLN Family Brands
- OHE Dual Training grant update
- Wrap up/ conclusion



What is Minnesota Dual-Training Pipeline?

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

Structured on-the-job training

Powerful learning

Engaged employee

Benefit to all Related Instruction

with a chosen training provider

Taking a variety of forms



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 <u>power point</u> and <u>handout</u>.

Ideas for future topics?

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





Advanced Manufacturing Occupations

- Computer Numerical Control (CNC) Programmer
- Manufacturing Production Supervisor
- Coordinate Measuring Machine (CMM) Programmer
 - Mechatronics Technician

Extrusion Molding Technician

Print Press Operator

Flexo Technician

Quality Assurance/ Food Safety Supervisor

Injection Molding Technician

Quality Assurance Technician

Logistics and Supply Chain Manager

Robotics Operator

Machinist/ Tool and Die Maker

Safety Technician

Machinist / CNC Operator

Solderer

Manufacturing Engineer

Welder

Maintenance and Repair Worker



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.



Industrial Production Manager

Minnesota Dual-Training Pipeline Competency Model for Advanced Manufacturing Occupation: Industrial Production Manager

| Employer-Specific | Occupation-Specific Competencies* | | | | |
|---------------------------------------|--|---|---|--|--------------------------|
| Requirements | Gather, process, and Lead internal commu Monitor production; Manage quality assur Facilitate interperson Schedule production Coach and train supe Schedule the work ar Lead team building Document production Comply with standard Resolve conflicts | nications processes ance and inspectio al relationships rvisors and staff ad activities of othe | and strategie Estimate the products, eve to maximize e Monitor and Oversee custors external com | characteristics of ents, or informati- efficiency control resource: omer service and munications ine administrativ | on s |
| Indust | ry-Sector Techr | ical Compe | tencies* | | |
| Quality management | Engir | eering and tech | nology design b | est practices | |
| Lean production and process | | awareness and | | Troubleshoot | \ |
| ducation and training | Administration and | | | Customer ser | |
| Personnel and human resour | ces Busine: | ss mathematics | and budgeting | Safet | y |
| Indus | try-Wide Techn | ical Compet | encies | | |
| nuf. Produc | tion | Safety, Quality health assurance, security and continuous environment improvement | | Root cause analysis Sustainable and green manuf. | |
| ocess ign & Diversity, equity | and inclusion | | | | |
| ppment Supply chair | | | | | |
| | | | _ | _ | |
| | Workplace C | ompetencies | • | | |
| Teamwork Adaptability and flexibility | service a | nning Probler solving decisio making | Working with tools, | Checking, examining and recording | Sustainable practices |
| | Academic Co | mpetencies | | | |
| computer ted | sic and Read hnical and | d listen | ing and | ritical and analytic | Information literacy |
| SKIIIS | writi | ng spe | aking | thinking | |
| | | | | | |
| P | ersonal Effective | eness Comp | etencies | | |
| nal Integrity Prof | essionalism Init | | pendability d reliability | Lifelong learning | Emotion |

<u>Industrial Production Manager | Minnesota Department of Labor and Industry (mn.gov)</u>

Based on: Advanced Manufacturing Competency Model Employment and Training Administration, U. S. Dept. of Labor, April 2010.

*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.



Example of Manufacturing Employer doing Pipeline – KLN Family Brands



Notes from Presentation:

Rob from KLN and Amy from M State shared how they train maintenance and repair workers as certified production technicians and for welding with an American Welding Society certification.

Rob shared how workers do balance working full time and training by scheduling the training typically at the end of a shift or right before a shift starts.

Amy was asked about needing multiple employees to do customized training and the answer is that while it is not a requirement, it does generally work better to get all the value for the company.

Someone asked about worries about losing talent after they finish training and Rob responded that he hopes by investing in the training and opportunities to advance it will help make people want to stay.

Finally, Rob was asked what happens if an employee fails a test and he noted that the company still gets reimbursed by the grant and they still keep the employee because they did still learn things that are beneficial. They also will try to support them in retaking the test.





Dual Training Grant

- 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.



Dual Training Grant Round 12

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 <u>HERE</u> 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 <u>available here</u>

Save the Date - Upcoming All-Industry Forum

June 13, 2023 from 9am-10am









Thank You!



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