Academic Innovations to Amplify Workforce Partnerships

University of Wisconsin-Stout

Dr. Katherine Frank, Chancellor

Glendalí Rodríguez, Provost

Dr. David Ding, Associate Dean

Dr. Kelly Droege, Program Director



UW-Stout's Polytechnic Distinction

Only 3% of U.S. Higher Education Institutions Are Polytechnics.



Applied Learning & Research.

Hands-on education to produce innovative solutions to real-world problems.



Business & Industry Collaboration.

Innovative partnerships that benefit students and grow the economy.



Career-Focused Experiences.

Real-world opportunities that prepare graduates for professional careers.



UW-Stout's Polytechnic Advantage

Our Distinction in the Details.



Practical Experience

1,000+

internships across the U.S.

University Facilities

3x Labs & Studios

as traditional classrooms



Program Advisory

100%

advised by industry professionals

Industry Partnerships

700+

internship & research partners



Unmatched Employment

99%

employed or continuing education

Industry-Ready

50%+

industry-credentialed graduates



UW-Stout's Polytechnic Advantage

Graduates in High Demand.

99%

Near Perfect Employment for More Than a Decade

\$58K

Average Starting Salary



2024: "Year of the Worker"

"Making sure our workforce is prepared to meet the needs of a 21stcentury economy is a top priority for me. And my administration is going to lead by example.

It's why, tonight, I'm declaring 2024 the Year of the Worker in Wisconsin."

~Governor Tony Evers
(January 23, 2024)





Educational Ecosystem

- P-20 Pipeline
 - Technical Colleges
- 700+ Business & Industry Partners
 - Program Advisory Committees& Employers
- Innovation Programming
 - Smart Automation Certification Alliance (SACA)



Professional Development & Innovation

- Strategic, Meaningful, Future-Focused
- Alliance for Innovation & Transformation (AFIT)
 - Summer 2023: Leading Educational Advancement through Polytechnic Pathways (LEAPP)
 - Process for Innovation
 - Changing the Rate of Change
 - Summer 2024: Al+





Polytechnic Leadership

- Statewide Taskforce
 Representation (Dr. David Ding)
- Universities of Wisconsin
 Board of Regents Presentation
- University-wide
 Professional Development
- University Call for Digital Literacy Proposals
- Outreach to 500+ Industry Advisory Council members





Polytechnic Leadership

- State-identified Sectors:
 Engineering, Healthcare,
 Computer/Data Science,
 Business/Finance
- Establishment of Artificial Intelligence Fellows Cross-disciplinary Cohort
- Al Cohort Lead
- Al Integration Technologist
- Survey of Employer Partners Informing Actions



PRESS & MEDIA RESOURCES

UW NEWS SERVICE

University of Wisconsin System / News / Universities of Wisconsin unveil \$32 million workforce proposal

Universities of Wisconsin unveil \$32 million workforce proposal

Monday, November 6, 2023



Academic Innovations to Amplify Workforce Partnerships

Dr. Xuedong (David) Ding

Associate Dean/Director

Robert F. Cervenka School of Engineering

Dr. Kelly Droege

Assistant Professor/Program Director

M.S. Training & Talent Development





Dr. David Ding dingx@uwstout.edu

#StoutProud

- B.S. Economic Development (1993)
- M.S. Industrial System Engineering (2003)
- Ph.D. Industrial System Engineering (2006)
- Associate Dean, CSTEMM
- Program Director, B.S. Automation Leadership

12 Years of Industry Experience

- Six Sigma Process Improvement, Value Chain Management
- Multiple Professional Certifications

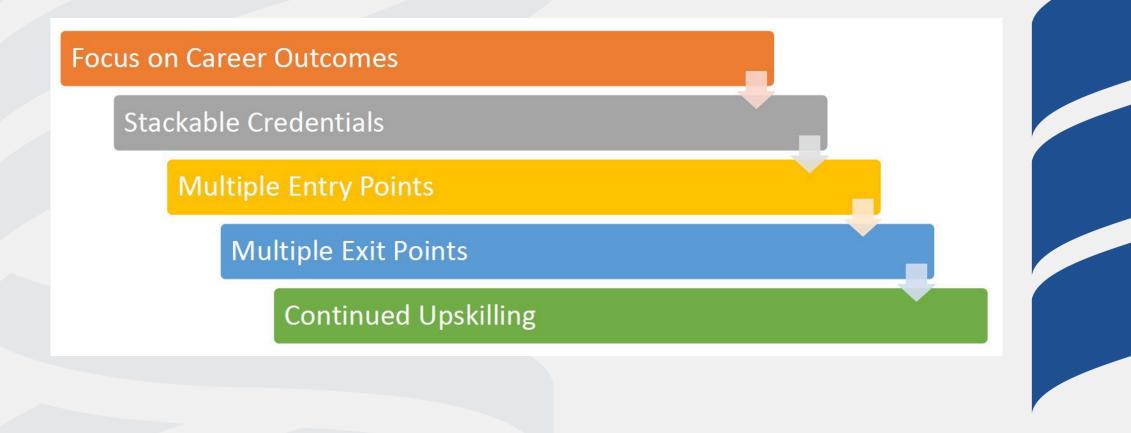




B.S. Automation Leadership



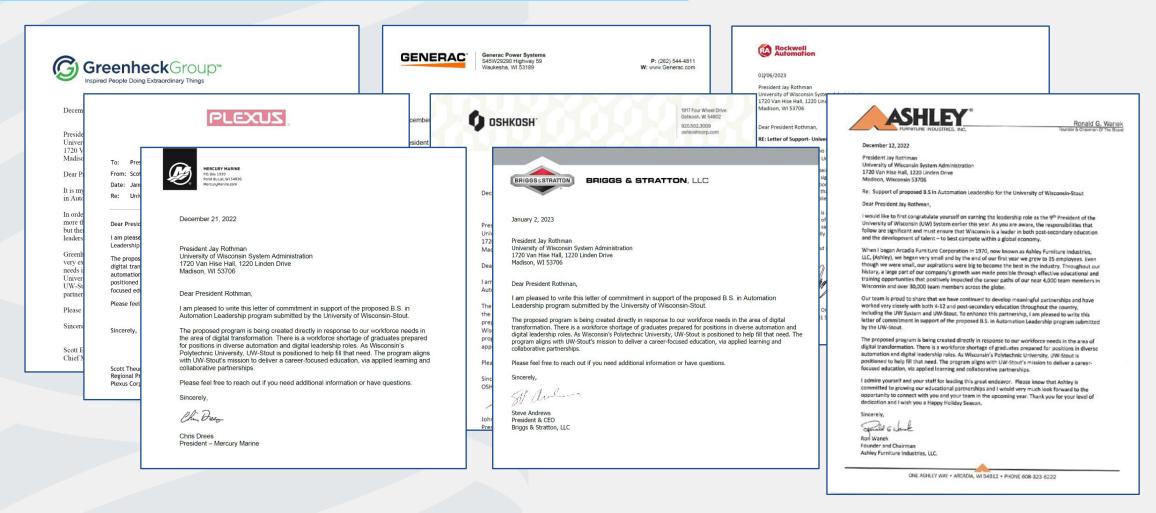
Program Innovations







Strategic Industry Partners



International Benchmarking







Degree Pathway





UW-Stout Automation Leadership Courses

- Digital Transformation
- Internet of Things in Operations
- Project Management
- Organizational Leadership
- Lean Manufacturing
- Automation Leadership Internship
- Automation Leadership Capstone





Dr. Kelly Droege droegek2005@uwstout.edu

#StoutProud

- B.S. Psychology (2005)
- M.S. Training & Development (2007)
- Assistant Professor/Program Director
 M.S. Training & Talent Development

25+ Years of Industry Experience

- Healthcare
- eCommerce
- Manufacturing





Workforce Development Specialist Apprenticeship

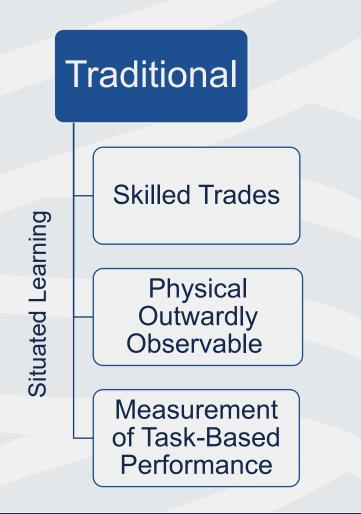


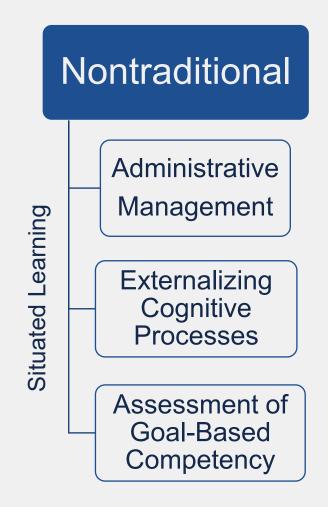
Registered Apprenticeship





Registered Apprenticeship Structures







Workforce Development Specialist





Strategic Industry Partners













Innovative Educational Pathways



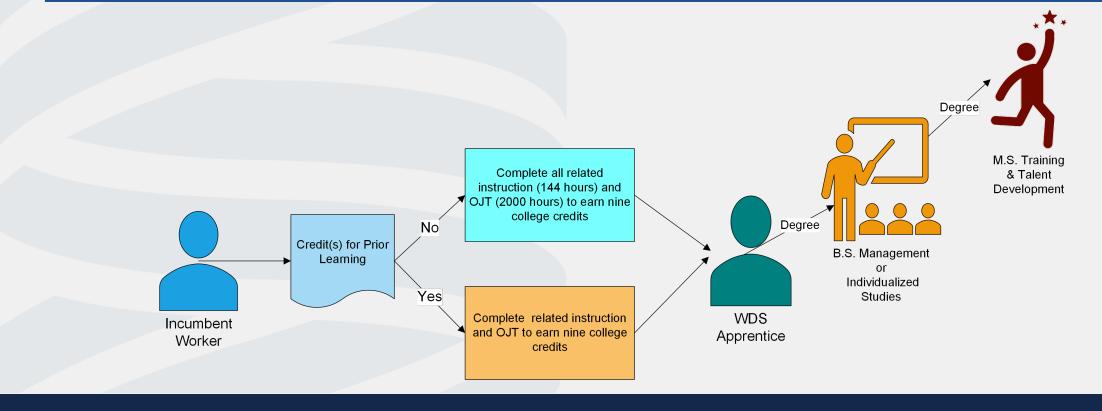
Applied Learning & Research.



Business & Industry Collaboration.



Career-Focused Experiences.





Questions?

Facilitated by Glendali Rodriguez, Provost University of Wisconsin-Stout rodriguezg@uwstout.edu

