THE EVOLUTION OF A POLYTECHNIC UNIVERSITY

2018 Peru Polytechnic Summit
Patrick Guilfoile, Provost
Glendali Rodriguez, Associate Provost
125+ YEARS OF HISTORY

- Founded 1891 – Stout Manual Training School
- James Huff Stout – applied learning and career-focused
- Did not begin as Teacher Education institution; transitioned to exclusively Teacher Education institution; then diversified
- 2007 Formal designation – Wisconsin’s Polytechnic University
- Designation confirmed 100+ year history of polytechnic spirit
Student population of 9,400+
20% of credits delivered online
49 undergraduate majors
24 graduate majors
1,305 employees
Discovery Center

98.2%
Employment and continuing education rate for graduates

Average graduates each year

1,600

Learn more at www.uwstout.edu
WHO WE ARE

▪ Polytechnic blend of applied learning and liberal arts
▪ Diverse campus disciplines
▪ Each seeking value and representation
▪ A common language: our tenets

UNIVERSITY OF WISCONSIN-STOUT
Learn more at www.uwstout.edu
POLYTECHNIC TENETS

CAREER FOCUS
OFFERING A COMPREHENSIVE CURRICULUM THAT PREPARES GRADUATES FOR PROFESSIONAL CAREERS.

APPLIED LEARNING
BLENDING THEORY WITH PRACTICE TO PRODUCE INNOVATIVE SOLUTIONS TO REAL-WORLD PROBLEMS.

COLLABORATION
WORKING CLOSELY WITH BUSINESS, INDUSTRY AND OTHER EDUCATIONAL INSTITUTIONS TO BENEFIT STUDENTS AND GROW THE ECONOMY.
## BUSINESS AND INDUSTRY TIES

<table>
<thead>
<tr>
<th><strong>DISCOVERY CENTER</strong></th>
<th><strong>FAB LAB</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>~200 COLLABORATIVE PROJECTS</td>
<td>2500 HOURS OF MACHINE TIME ANNUALLY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PROGRAM ADVISORY BOARDS</strong></th>
<th><strong>MANUFACTURING OUTREACH CENTER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>70+ REQUIRED IN EACH PROGRAM</td>
<td>$20M BENEFITS TO INDUSTRIAL COLLABORATORS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CAREER CONFERENCES</strong></th>
<th><strong>STOUT TECHNOLOGY &amp; BUSINESS PARK</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 OF THE LARGEST IN THE MIDWEST</td>
<td>403 ACRES; COLLABORATION BETWEEN UNIVERSITY &amp; BUSINESSES</td>
</tr>
</tbody>
</table>

Learn more at [www.uwstout.edu](http://www.uwstout.edu)
### OVERVIEW OF ECONOMIC IMPACT RESULTS

<table>
<thead>
<tr>
<th>Total Income Supported in the Region</th>
<th>Jobs Supported in the Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>$271.8 million</td>
<td>4,624</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rate of Return to Students</th>
<th>Rate of Return to Taxpayers</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>15%</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Of Region's GRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2%</td>
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</table>
WISCONSIN’S POLYTECHNIC

APPLIED LEARNING
- Incorporates tools to evaluate, create, and shape human comprehension
- Emphasizes “real world” and “hands-on” learning experiences

LIBERAL ARTS
- Develops critical thinking, complex problem solving, communication and leadership skills
- Introduces students to a variety of disciplines

EXPERIENTIAL LEARNING
95.8% Of graduates participated in an experiential learning experience

CLASSROOMS
3x More labs than classrooms

UNIVERSITY OF WISCONSIN-STOUT
Learn more at www.uwstout.edu
INDUSTRY/ALUMNI CONNECTIONS
RESPONSIVE DEGREES
Six career cluster areas

RESPONSIVE DELIVERY
Student-centered & offered on-campus, online and offsite

INDUSTRY/ALUMNI CONNECTIONS
Industry leaders and recent alumni infuse expertise into every program’s curriculum

PROGRAM DIRECTOR MODEL
Unique in the UW System
DISTINCTIVE PROGRAMS

Learn more at www.uwstout.edu
Defined and required experiential learning for all academic programs, throughout the university:

- Capstone courses
- Co-ops/internships
- Practicum
- Service learning
- Student teaching
- Field experiences
- Study abroad
- Student research

EXPERIENTIAL LEARNING

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CLASSROOMS

3x
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PARTNERSHIPS

- A leader in credit transfer agreements with the technical colleges
- Nearly one-third of our undergraduates are transfer students
- 131 articulation agreements with other institutions, including universities, technical colleges and community colleges
PLACEMENT IS KEY

98.2% EMPLOYED OR CONTINUING EDUCATION
81% Knowledge Rate

87% EMPLOYED RELATED TO THEIR MAJOR

GRADUATES HIRED IN 32 STATES

792 EMPLOYERS AND NEARLY 3,900 STUDENTS ATTENDED UW-STOUT'S CAREER CONFERENCES

1,084 STUDENTS PARTICIPATED IN COOPERATIVE EDUCATION

1,514 STUDENTS PARTICIPATED IN ON-CAMPUS INTERVIEWS

TEN YEARS OF SUCCESS

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Percent Employed</th>
<th>Academic Year</th>
<th>Percent Employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2017</td>
<td>98.2</td>
<td>2011-2012</td>
<td>97.3</td>
</tr>
<tr>
<td>2015-2016</td>
<td>97.4</td>
<td>2010-2011</td>
<td>97.9</td>
</tr>
<tr>
<td>2014-2015</td>
<td>97.3</td>
<td>2009-2010</td>
<td>97.9</td>
</tr>
<tr>
<td>2013-2014</td>
<td>97.1</td>
<td>2008-2009</td>
<td>96.8</td>
</tr>
<tr>
<td>2012-2013</td>
<td>97.1</td>
<td>2007-2008</td>
<td>95.9</td>
</tr>
</tbody>
</table>

UW-Stout graduates have an average employment rate of 97 percent for the past 10 years.

Top Five Locations
- 53% in Wisconsin
- 36% in Minnesota
- 1.7% in Illinois
- 1.3% in Colorado
- 1.2% in California

UNIVERSITY OF WISCONSIN-STOUT
Learn more at www.uwstout.edu
Program Advisory Committees advise on:

- Curriculum revisions
- New program and course areas
- Student advisement
- Program assessment and review
- Student needs projections
- Placement prediction and job market outlook
DISRUPTION

- Hands-on polytechnic education is expensive
- 120 credit limitation for new majors
- In 14 of the last 20 years, state funding has been reduced
- Tuition freeze for the last six years
- No statewide salary increases 2010-2018
- Demographic trends for traditional high school students in the Midwest are unfavorable
- Competition for smaller student pool, as more institutions take a polytechnic-like approach
OPPORTUNITIES IN DISRUPTION

- Private Support - Stout has begun first comprehensive campaign
- Enhancing collaboration with business and industry
- Integrative program design; expand cross-disciplinary learning
- Improve efficiencies
- More effective storytelling
- Here are stories from our own Stout community, embracing being a Polytechnic. [link](#)
WELCOME — 2019 JUNE 3-5

UNIVERSITY OF WISCONSIN-STOUT
Learn more at www.uwstout.edu/polytechnic-summit