Postsecondary Breakout

October 13, 2017
9:55-10:50
Welcome!

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Dean, CCRI

Amy Grzybowski
Executive Director, Westerly Education Center
Introductions

Hello!

Howdy!

Good Morning!

Hey Y'all!

Nice to Meet You!

Hola!
How are we applying what we know?
CCRI + EB + WEC

★ CCRI taught 200 EB trainees in 17 cohorts from January to June

★ Post-employment – Quonset EB
  • Funded through Real Jobs RI grant
  • CT Department of Labor reimburses RI for CT residents trained through program

★ Pre-employment opportunities – Groton EB
  • Funded by Connecticut Eastern Workforce Investment Board grant
Electric Boat @ Westerly Education Center

2017

• 492 students
• 39 cohorts
• 3 trades
• 2 shipyards
• 2 states
Hands-on industry training area

Maritime pipefitting lab for Electric Boat trainees

Power equipment in the sheet metal area
Sheet Metal Classes
General Dynamics/Electric Boat
A Customized Curriculum

URI developed the training curriculum for Electric Boat’s employee professional development program

- Leadership program for supervisors
- 2-3 days a week
- 66 graduates in June 2017
- 240 graduates by 2018
Process Technologists of the Future

• Real Jobs RI Grant
• Spring 2018 launch
• Employer led
• Matches employers’ need for skilled workers with employment needs of underemployed/unemployed workforce
• Starting salaries in $27,000-$37,000 range in RI
# Utilization of Process Technologists Across Sectors

<table>
<thead>
<tr>
<th>Industry</th>
<th>Employer Job Title</th>
<th>LMI-Aligned Designation(s)</th>
<th>Job Description/Core Competencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmaceutical</td>
<td>Chemical Equipment Operator, Process Technician</td>
<td>Chemical Equipment Operators and Tenders</td>
<td>Operates complex reactors and other equipment, renders and mixes chemical products to create pills or intermediary products. Must calibrate and maintain equipment; document all work; troubleshoot; maintain safe working environment; interpret output from instrumentation, and more.</td>
</tr>
<tr>
<td>Environmental</td>
<td>Laboratory Analyst or Laboratory Technician</td>
<td>Industrial Engineering, Mechanical or Chemical Technicians</td>
<td>Performs laboratory duties including extracting samples from soil or other materials; mixes solutions; uses complex testing equipment/instrumentation; analyzes and documents results</td>
</tr>
<tr>
<td>Textile Manufacturing</td>
<td>Textile Equipment Technician</td>
<td></td>
<td>Operates, maintains and troubleshoots textile machinery; mixes chemical batches and operates equipment that transforms raw materials into finished products</td>
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<tr>
<td>Chemical/Plastics Manufacturing</td>
<td>Production Technician</td>
<td></td>
<td>Operates, troubleshoots and maintains complex testing equipment/instrumentation; analyzes and documents results; follows good GMP and safety protocols; operates machinery that mixes batches of chemicals to create end-products</td>
</tr>
<tr>
<td>Medical Research</td>
<td>Cellular Laboratory Technician</td>
<td>Medical and Clinical Laboratory Technologists/Technicians</td>
<td>Cultures cells; operates laboratory equipment/instrumentation; manufactures highly specialized medical products for cancer patients</td>
</tr>
<tr>
<td>Brewery</td>
<td>Assistant Brewer</td>
<td>Mixing and Blending Machine Setters, Operators and Tenders</td>
<td>Mixes batches of materials; oversees fermentation process; operates, calibrates, maintains and troubleshoots brewing equipment/instrumentation</td>
</tr>
</tbody>
</table>
Process Technologists Career Pathway

- 200-hour Boot Camp
- 2 Cohorts of ~15 Students in Year One
- 3 Cohorts Thereafter
- @WEC, with CCRI using curriculum developed by industry reps and CCRI chem tech experts
- Credit Bearing, Portable, Stackable, and Valuable
- Classroom + Lab Experiential
- Career Exploration with Local Employers
- Job Placement with Industry Partners
Process Technologists of the Future

Business Partners
• Health Science
• Design
• Consumer Products
• Food Manufacturing
Our Education Partners

- Higher Ed
- State Agencies
- CTEs
- High Schools
- Job Training Providers

Rhode Island Office of the Postsecondary Commissioner
Pathway Expansion

- RIDE’s new standards include the process technologist pathway
- Discussions about a summer internship with CTEs
- High school students and recent high school graduates
- Westerly High School and William M. Davies Jr. Career & Technical High School have expressed interest
- Davies: This pathway aligns perfectly with biomedical program
Food for Thought

• DISCUSSION