

# Postsecondary Breakout

October 13, 2017

9:55-10:50

# Welcome!

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# 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



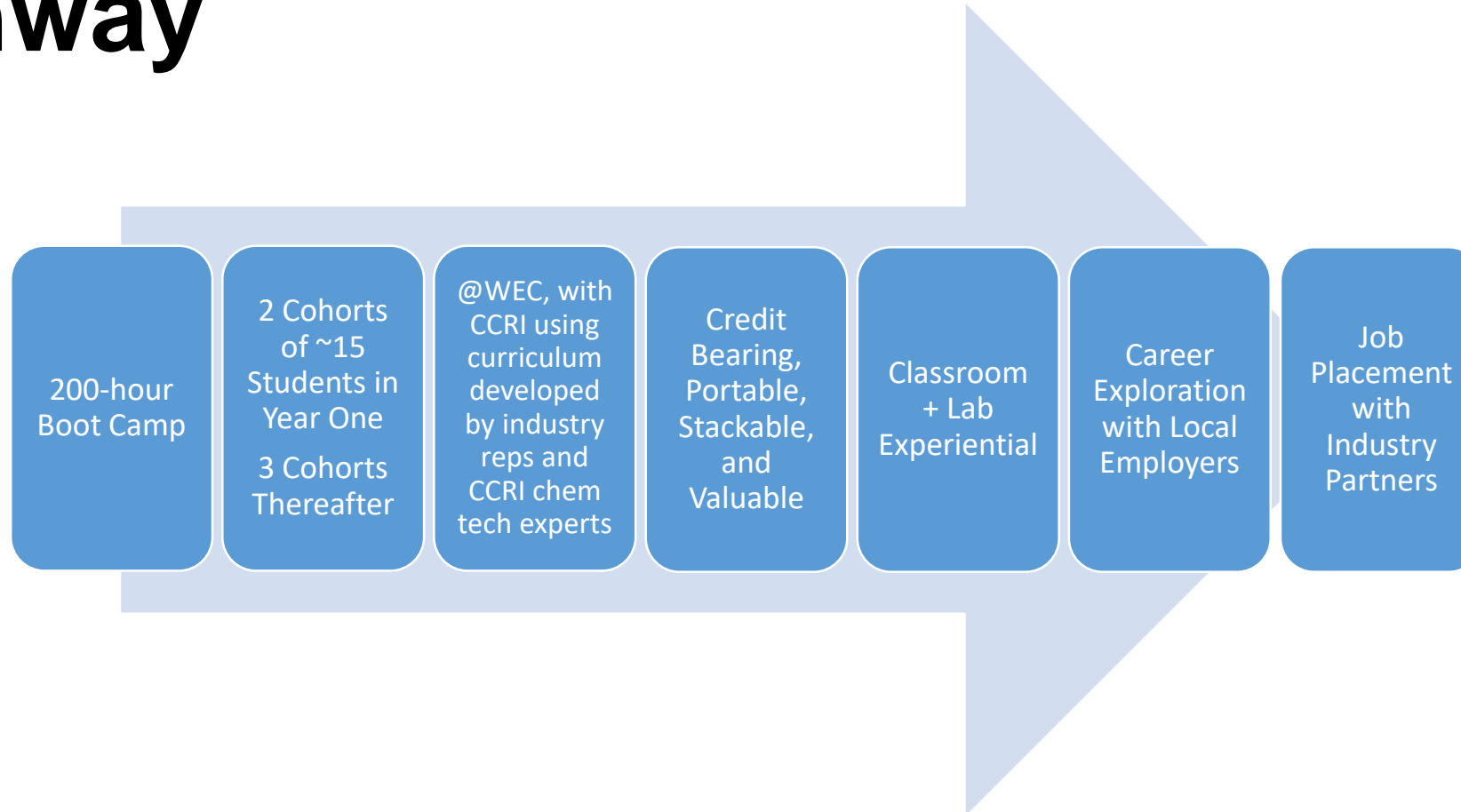
# Process Technologists of the Future

- 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

Industry	Employer Job Title	LMI-Aligned Designation(s)	Job Description/Core Competencies
<b>Pharmaceutical</b>	Chemical Equipment Operator, Process Technician	Chemical Equipment Operators and Tenders	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.
<b>Environmental</b>	Laboratory Analyst or Laboratory Technician	Industrial Engineering, Mechanical or Chemical Technicians	Performs laboratory duties including extracting samples from soil or other materials; mixes solutions; uses complex testing equipment/instrumentation; analyzes and documents results
<b>Textile Manufacturing</b>	Textile Equipment Technician		Operates, maintains and troubleshoots textile machinery; mixes chemical batches and operates equipment that transforms raw materials into finished products
<b>Chemical/Plastics Manufacturing</b>	Production Technician		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
<b>Medical Research</b>	Cellular Laboratory Technician	Medical and Clinical Laboratory Technologists/Technicians	Cultures cells; operates laboratory equipment/instrumentation; manufactures highly specialized medical products for cancer patients
<b>Brewery</b>	Assistant Brewer	Mixing and Blending Machine Setters, Operators and Tenders	Mixes batches of materials; oversees fermentation process; operates, calibrates, maintains and troubleshoots brewing equipment/instrumentation

# Process Technologists Career Pathway





# Process Technologists of the Future

## Business Partners

- Health Science
- Design
- Consumer Products
- Food Manufacturing



Spectrum Analytical



Lancaster Laboratories



# 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