

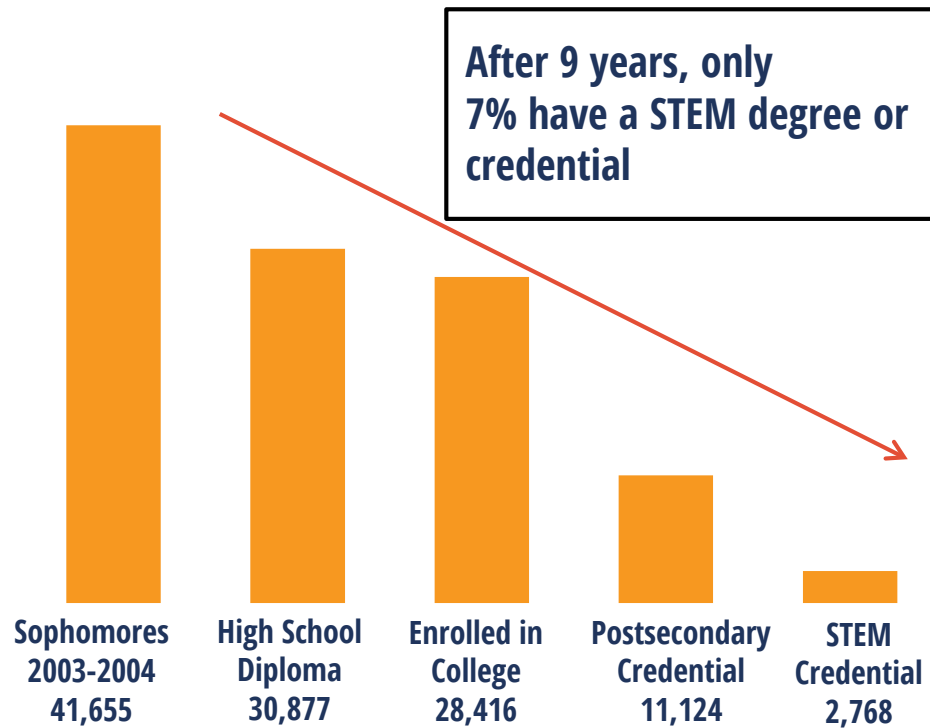
# Investing in Pathways to Success through CTE-STEM

Breakout Session

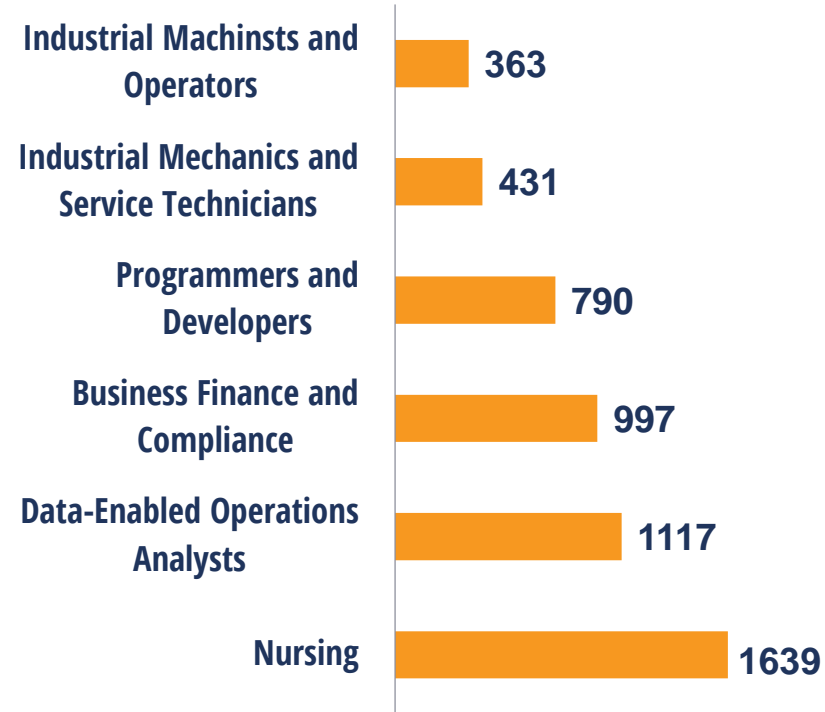
3:45-5:00pm – Room D135-136

# The Business Case for CTE-STEM

▶ High-wage, high-demand jobs are going unfilled



**STEM outcomes for the Class of 2006**



**Projected Annual Openings through 2021**

**Source:** ECONorthwest analysis of ODE and National Student Clearinghouse data. STEM credential outcomes based on Brookings Institution definition of STEM fields. Oregon Talent Plan, 2017-20, Findings & Recommended Framework



- Established 2012
- Represents the voice of employers
- Open to all employers committed to CTE-STEM goals
- 80 Employers, Business, & Labor Organizations



## Our Goals

- Double the number of 4<sup>th</sup> & 8<sup>th</sup> grade students proficient in math and science by 2025
- Double the number of CTE-STEM degrees and certificates by 2025
- Increase participation of students who have experienced systemic or historic barriers to participation
- Long range, achieve: Oregonians prepared to pursue productive, meaningful careers and lives, higher per capita income, lower poverty, and increased revenues for public services



## Our Plan

- Advocate for policies, programs, partnerships, and investments that strengthen CTE and STEM education.
- Connect business, education, non-profit, and foundation stakeholders to align interests and support.
- Communicate the vision and urgency for connecting education more closely to careers.

# Progress Toward Shared CTE-STEM Outcomes

## STEM Investments

## CTE Investments

## High School Success (Measure 98)

## CTE-STEM Employer Coalition

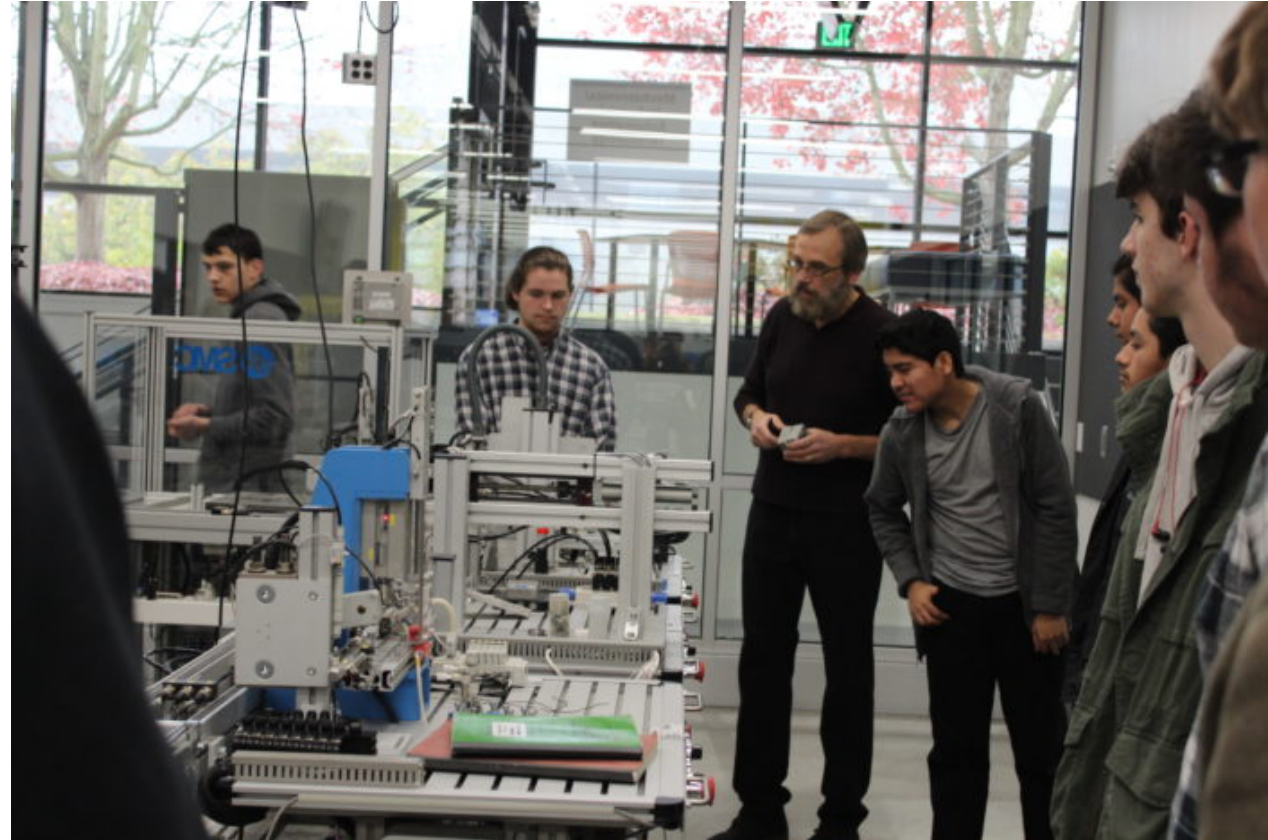
## Private Philanthropy

- STEM Education Plan
- 13 STEM Hubs
- STEM Innovation Grants
- \$9.6 million in funding 2017-29
- Revitalization Grants – 89 programs created
- Career Pathway funding model
- \$19.2 million in funding 2017-19
- 100% district participation in first year
- Increased focus for CTE programs
- \$170 million in funding - 34% for CTE
- Alignment of CTE-STEM in career connected learning
- Growing employer partnership & support
- Advocacy for CTE-STEM investments & policies
- OCF Oracle CTE-STEM Fund
- Private funder investment



# Successful Models: Pipeline to Jobs

- Pipeline to Jobs in Albany connects students to pathways to success from education to careers.
- Partnership of Albany Chamber, employers, the school districts, the school districts, local government, and Linn-Benton Community College.



# Successful Models: Elevate Lane County



Photo credit: Athena Delene

- Elevate Lane County works with employers to connect students to careers in high-wage, high-demand industries.
- Summer externships in industry help educators bridge the gap between classrooms & careers.



# Successful Models: Career Connected Learning in High School Science

- Portland Metro STEM Partnership works with educators and industry to embed career connected learning opportunities into high school science courses.



# Successful Models: All Across the State

- STEM Beyond School
- Baker Technical Institute
- Treasure Valley Tech
- Umatilla STEM Academy
- Bright Futures Umpqua
- Oceanus Shipboard Experience
- MECOP Internships
- Math in Real Life
- Columbia Basin Homebuilders Program
- CTEC School in Salem-Keizer
- South Coast Healthcare Pathway Program
- Innovate Dayton
- Apprenti
- Many, many more

# Pathways to Success

## 2019-21 CTE-STEM Investment Strategy

- 1. Strengthen CTE-STEM system infrastructure and leadership**
  - Increase funding & support for STEM Investment Council
  - Increase funding for STEM Hub Network to support growth of network
- 2. Redesign and improve CTE-STEM learning**
  - Continue to invest in STEM Innovation Grants
  - Improve math alignment and pathways across P20 continuum
  - Improve computer science education
- 3. Increase CTE-STEM degrees and credentials through pathway funding and revitalizations grants**
  - Continue CTE Revitalization grants
  - Bolster Secondary Career Pathway Fund
  - Create Community College Career Pathway Fund
  - Fund ETIC Sustaining Pathway funding at universities
- 4. Fully fund High School Success (BM98)**

Congresswoman Suzanne Bonamici

# Pathways to Success Panel

- Jim Piro, Chair, Oregon STEM Investment Council
- Kristen Harrison, Executive Director, Portland Metro STEM Partnership
- Mark Mitsui, President, Portland Community College
- Toya Fick, Executive Director, Stand for Children
- Rep. Jeff Reardon



# We All Have a Role to Play

- **Join the Oregon CTE-STEM Employer Coalition** to help advocate for CTE and STEM
- **Connect with your local STEM Hub** to invest your time and resources
- **Open your workplaces and dedicate volunteers** to CTE and STEM education