

CTE PATHWAYS INDUSTRIAL & ENGINEERING SYSTEMS

Community Colleges WORK for Oregon

Where Industry Meets Innovation

These careers power modern industry: designing, operating, and maintaining the electrical and industrial systems that drive Oregon's economy.



Program Enrollment

5,700 Community college students enrolled in Industrial & Engineering Systems programs statewide (2023-2024)

83% of these students are enrolled part-time ¹



Expected Job Growth

5.9% Projected job growth in the electrical & industrial engineering technologist professions by 2033⁴



Award Earners

796 Number of **credentials awarded** by CCs statewide in Industrial & Engineering Systems professions (2023-2024)¹



Engineering at Work

5,000+ Number of Oregonians employed in the electrical & industrial engineering technology fields. (2025)

These workers earn an average wage of \$74,000 per year ³



A High-Growth Industry Takes Flight

58% Expected growth rate for the drone industry in Oregon over the next five years⁵

The unmanned aerial systems (UAS) industry in Oregon supports about **2,500 jobs statewide** and has an economic impact of nearly **\$840 million**, with manufacturing, operations, and support roles growing as commercial drone uses expand. ⁶



Unmanned Aerial Systems (UAS - Drones)

SKILLED TRAINING STRONG INDUSTRIES



Electromechanical Technology

Producing Job-Ready Talent

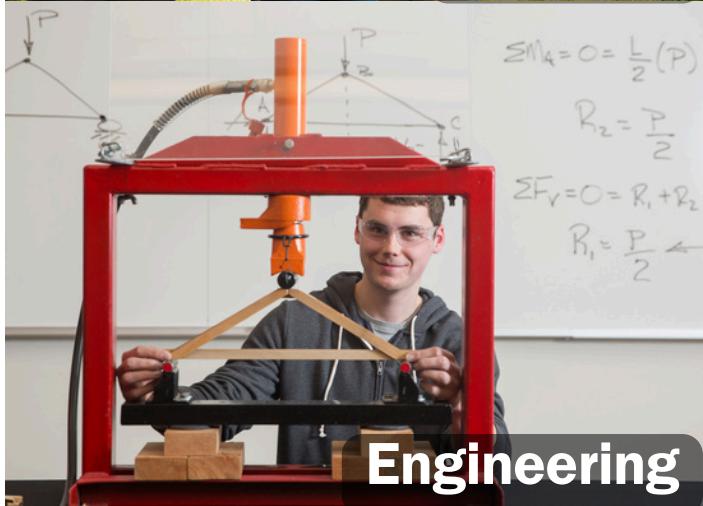
From advanced manufacturing to transportation & energy, community colleges develop the skilled technicians who keep Oregon's critical systems operating safely and efficiently.



Geographic Information Systems



Mechatronics



Engineering



Oregon Community College Association

www.occa17.com

Sources:

- 1 HECC Community College Dashboard, 12/29/2025
- 2 "The Economic Value of Oregon's Community Colleges," Lightcast, July 2023
- 3 U.S. Bureau of Labor & Statistics, Occupational Employment & Wage Statistics, May 2023
- 4 Oregon Employment Department, 2025
- 5 HECC Future Ready Oregon Update, October 2025
- 6 Business Oregon: Oregon's Uncrewed Aerial Systems - An Economic Impact Overview, November 2022

CC Economic Impact

Economic Impact

\$9.6B In **added income** to the economy from Oregon's community colleges

This impact supported **177,970** jobs (that's **1 out of 22 jobs!**) in Oregon in FY2021-22 ²



Strong ROI

\$7 **Rate of return** for every dollar Oregonians invest in CCs for as long as students remain active in state's workforce

For every dollar of public money invested in CCs, taxpayers receive **\$1.30 in return** over students' working lives ²