

# 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 <sup>1</sup>



### Award Earners

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



### Expected Job Growth

**5.9%** Projected job growth in the electrical & industrial engineering technologist professions by 2033 <sup>4</sup>



### 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 <sup>3</sup>



### A High-Growth Industry Takes Flight

**58%** Expected growth rate for the drone industry in Oregon over the next five years <sup>5</sup>

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. <sup>6</sup>



### Unmanned Aerial Systems (UAS - Drones)

# SKILLED TRAINING STRONG INDUSTRIES



**Electromechanical  
Technology**

## Producing Job-Ready Talent

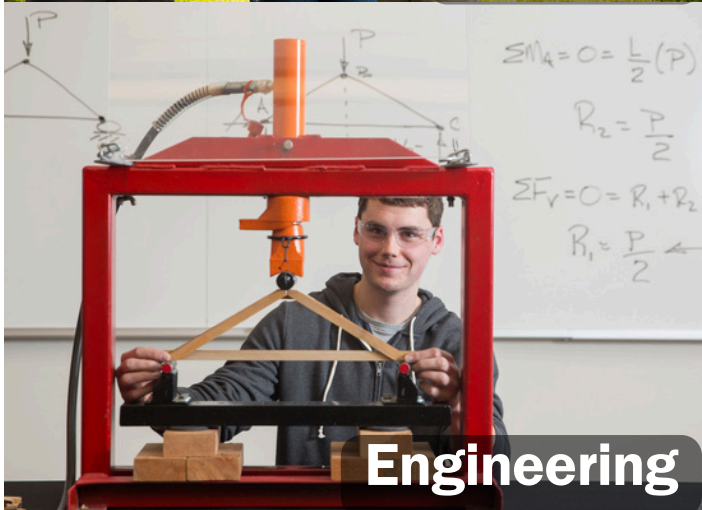
From advanced manufacturing to transportation & energy, community colleges develop the skilled technicians who keep Oregon's critical systems operating safely and efficiently.



**Geographic Information  
Systems**



**Mechatronics**



**Engineering**

## 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 <sup>2</sup>



### 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 <sup>2</sup>



[www.occa17.com](http://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