Phil & Penny Knight Campus for Accelerating Scientific Impact

The University of Oregon's Phil and Penny Knight Campus for Accelerating Scientific Impact is an ambitious $1B+ enterprise to fast-track scientific discoveries into innovations that improve the quality of life for people in Oregon, the nation, and the world.

Knight Campus Graduate Internship Program

Molecular Sensors & Probes

Polymer Science

Photovoltaics & Semiconductors

Optical Materials & Devices

Bioinformatics & Genomics

*__Data Science__ Track launching soon.

KCGIP has more than 20 years of success serving students and industry

98% graduation rate

90% of students are employed in high-wage jobs within 3 months of graduation

70% have seamless transition from intern to employee

79 interviewing teams recruited 82 students in the 2021 KCGIP cohort – each student averages 7 interviews and 2+ internship offers

$67,000 average annual internship salary

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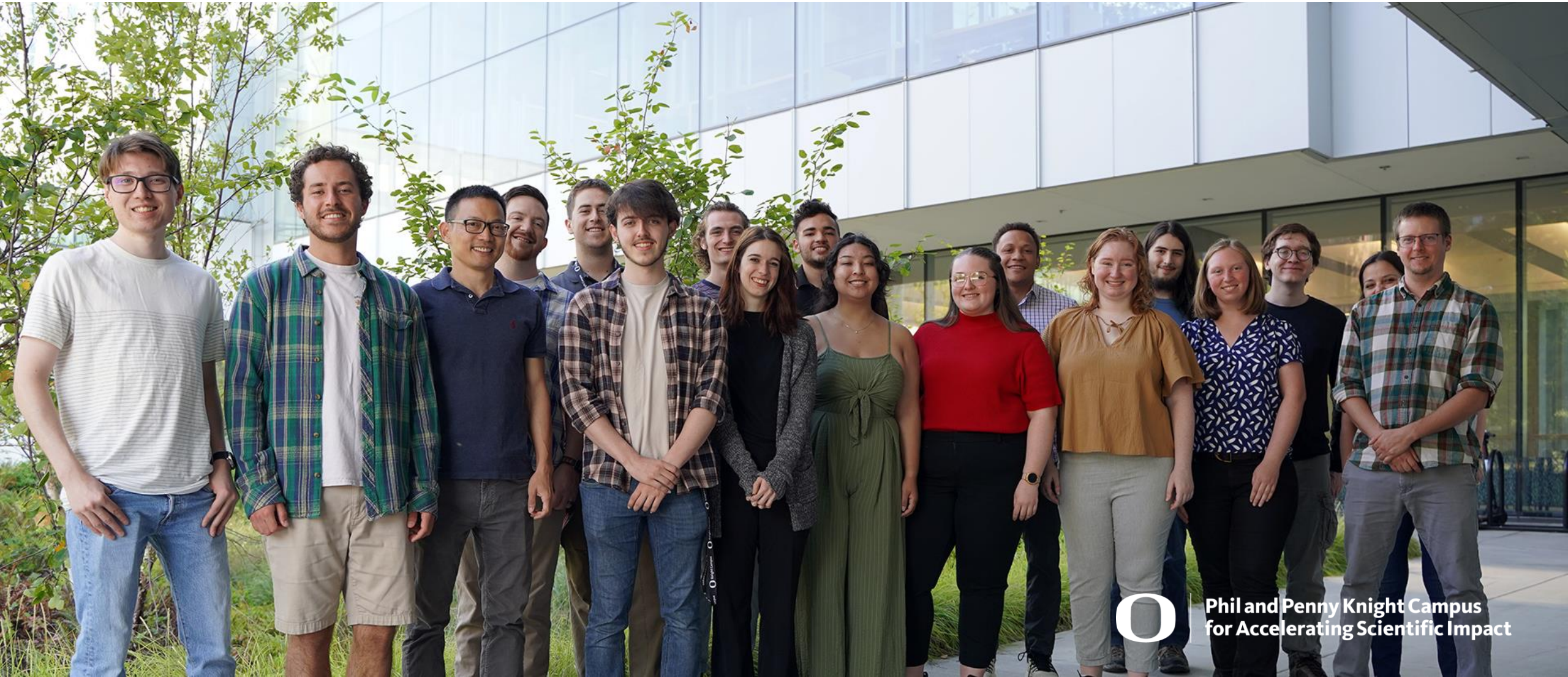
KCGIP has over 1,000 alumni that have been trained through a hands-on, team-centric model.

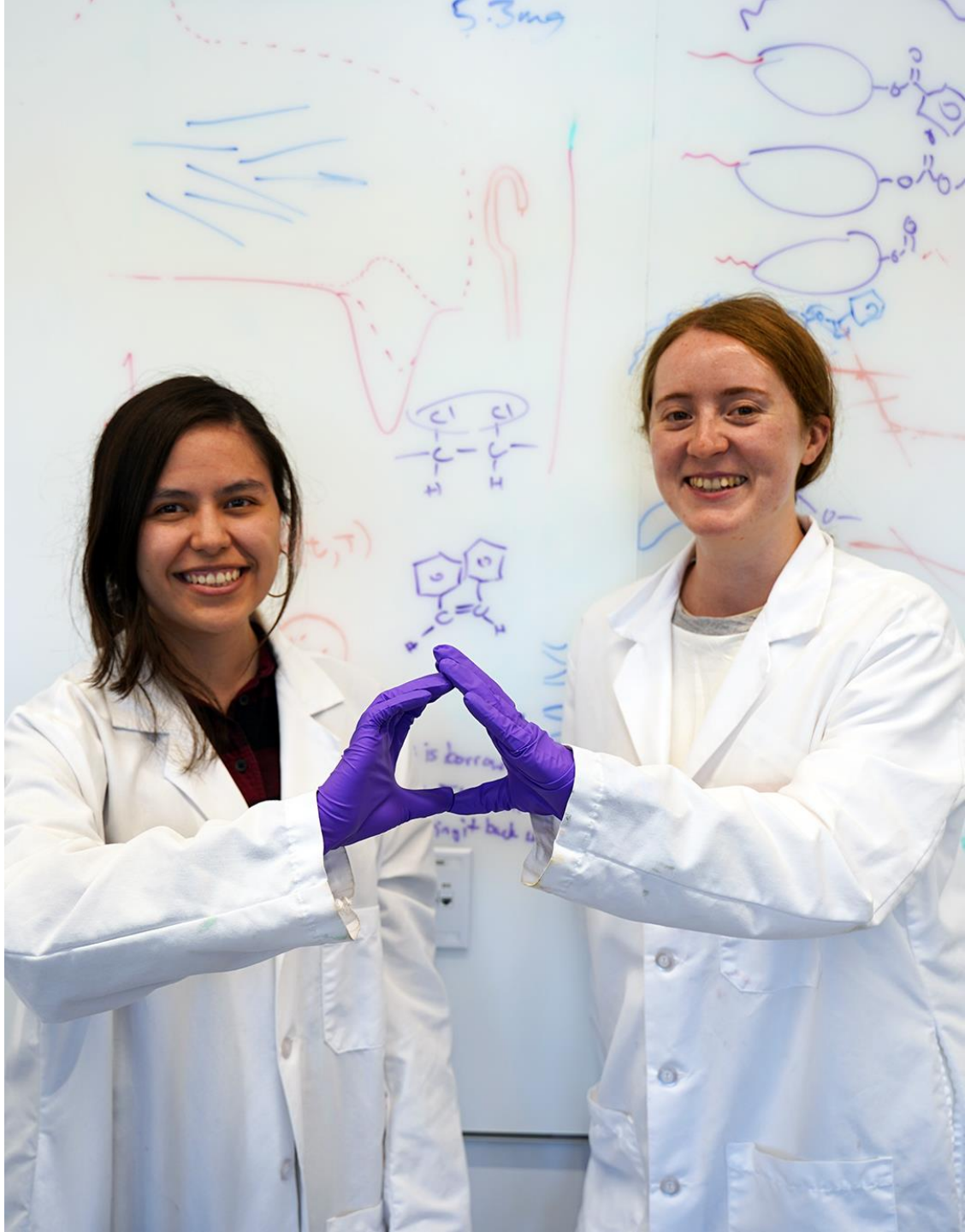


KCGIP has over 20 years serving Oregon students

40% Students started at an Oregon-based college or university

8 Public University and Community College Feeders, including:

- OSU, PSU, OIT, UO
- PCC, LCC, COCC, Mt. Hood CC, and UCC*



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KCGIP has over 20 years serving Oregon industries

130 OR-based high-tech and manufacturing companies employ alumni

64% Percentage of students' internships that are in OR-based companies

28 OR companies hosted KCGIP interns in past 3 years (11 supporting semiconductor industry, with 16 currently interviewing students)

MULTIPLE HIGH-DEMAND FIELDS IN OR

- **Chemical Engineers: 18%** (vs 9.3% in US)
- **Chemists: 14%** (vs 6.7% in US)
- **Photonics/Optical Engineers: 15%** vs (2.7% in US)

KCGIP serves the Oregon semiconductor workforce

- FormFactor
- HP
- Intel
- Microchip
- MKS Instruments
- Nanometrics
- KLA Tencor
- Oregon Physics
- Qorvo (Hillsboro site)
- Qorvo (Bend site)
- Thermo Fisher Scientific

KCGIP is focused on Inclusion and Diversity

250% Increase in enrollment of diverse students since launching Inclusion & Diversity Initiative

$250K In Oregon industry-sponsored commitments for this work

$4.3M NSF grant will further expand this effort

60% Diverse (women + underrepresented minorities in STEM)

A $4.3M NSF grants is building a pipeline for 64 low-income CC students to high-demand OR jobs, including in the semiconductor industry:

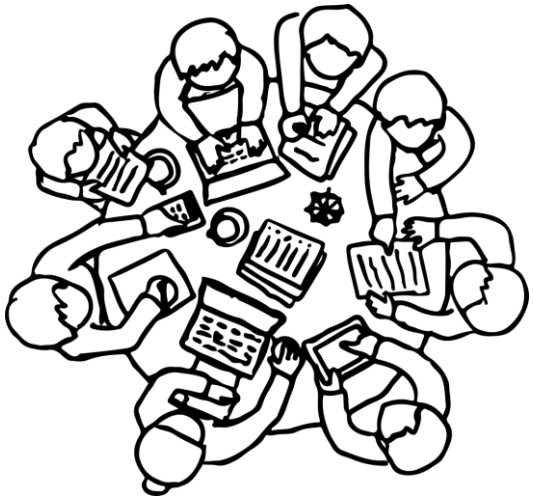
UCC
UMPQUA COMMUNITY COLLEGE

Lane
Community College℠

CENTRAL OREGON
community college

UNIVERSITY OF
OREGON

KNIGHT CAMPUS



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UO Knight Campus assets – Clean Room

The Knight Campus features a Class 1,000 cleanroom to support the fabrication of next-generation micro-and nano-scale devices on traditional semiconductor substrates as well as soft materials. Additionally, users will be able to leverage the equipment and process capabilities to create integrated microsystems, bioengineering devices and broad work on broad areas of nanotechnology including nanoelectronics, nanophotonics, and nanobiotechnology. An environmental SEM capable of electron beam patterning is available within the facility.

- Lithography tools including Mask Alinger, Direct Laser Writer, and E-beam Writer, etc.
- Deposition/etch tools including PECVD, DRIE, ALD, Sputtering, Ebeam evaporator, etc.