The University of Oregon
Addressing National Priorities

Our legacy of transformative research is built on nearly 150 years of inspired collaborations. We've gathered our collective strengths to answer the call of tomorrow. Our research advances society, serves humanity, drives innovation, and builds a better future.

UO by the numbers

FY23

$180.2M
in awards

~1,000
STEM undergraduate degrees conferred annually

#1
nationally in applied physics MS degrees

354
McNair Scholars since 1999

$8.3M
in licensing income

31
license-based invention disclosures

#5
nationally in applied chemistry MS degrees

336
Fulbright Scholars since 1950

The Impact of Federal Partnerships

Environment and Resiliency (USGS, EPA, NSF)

- Oregon Hazards Lab (OHAZ)
  - ShakeAlert
  - AlertWildfire
- Center for Wildfire Smoke Research and Practice
- Convergence to Accelerate Research on Biological Sequestration (CARBS)
- Cascadia Region Earthquake Science Center (CRESCENT)

Future of Manufacturing: Research and Workforce Training (EDA/NIST, NSF, DOE)

- Mass timber and affordable housing
- New Oregon Acoustics Research Lab (OARL)
- Advanced materials and devices for semiconductors

Education and Behavioral Health: Making a Difference for Children (IES, NIH, NSF)

- Ballmer Institute, HEDCO, Prevention Science Institute
- Top-ranked research and faculty in addressing education and mental health in early childhood through grade 12
- Center on Positive Behavioral Interventions and Supports

Improving Human Health (NIH, NSF, DOD)

- Biocompatable sensors and devices to improve human health
- Precision medicine, including trauma immunology
- Fundamental research in molecular biology and neuroscience

Innovative Approaches to Language Learning and Revitalization

- Center for Applied Second Language Studies (CASLS)
- Northwest Indian Language Institute (NILI)

Broad Research Strengths

UNIVERSITY OF OREGON
Office of the Vice President for Research and Innovation

Humanities

Our scholars advance humanistic knowledge across a variety of disciplines and receive funding from NEH, IMLS, NEA, and Fulbright. Our impact is evidenced by our faculty's impressive book publication record and consistent standing within the top 15% of non-STEM federally funded institutions in humanities.

Education

As one of the top graduate education programs in the country, our College of Education leads research and training to improve educational outcomes for all students. More than 29,000 schools use assessments developed by our researchers and over 43 education products on the market were launched at UO.

Data Science

Our researchers use the insights and techniques of data science to make groundbreaking discoveries across a wide range of disciplines, from biology and geography to linguistics and marketing. Our first-in-region undergraduate program in data science prepares students to apply analytic skills in nearly every industry.

Life Sciences

As the birthplace of zebrafish as a model organism and the first cloned vertebrate, we are an international research leader and resource for life sciences and human health. Our strengths in molecular biology, neuroscience, and ecology are evidenced by our decades-long NIH training programs, federally funded research centers, and numerous spin-out companies.

The University of Oregon faculty include a Nobel Prize winner, a Macarthur Fellow, two National Medal of Science Winners, and 11 National Academy of Science members.

Bioengineering

The Knight Campus for Accelerating Scientific Impact, launched through a historic $1 billion investment, is a new model of research and training centered on innovation and impact. The 13 faculty-led labs range in focus from 3D printing and laser microfabrication to gene therapy, tissue regeneration, implantable sensors, and polymer chemistry.

Design and Planning

We lead transformative discoveries at the intersection of design, health, sustainability, and the built environment. Programs like the Just Futures Sustainable Cities institutes have national impact. In 2022, UO won $16M in Build Back Better Regional Challenge funds for affordable mass timber housing prototyping.

Behavioral Psychology

A national research leader in prevention science and behavioral psychology, our faculty contribute to urgent societal challenges, including children's mental health, the opioid crisis, and disparities caused by the COVID-19 pandemic. The Ballmer Institute will train a diverse new generation of children's behavioral health practitioners.

Advanced Materials and Devices

We boast research expertise, facilities, and programming needed to prepare diverse students for the workforce and connect them with semiconductor and advanced manufacturing industries. Using new approaches in biotech, advanced manufacturing, quantum devices, and more, our leading-edge research will advance next-generation materials and devices.