VISION
We cultivate engineering leaders by providing innovative, hands-on educational experiences. Our pioneering research programs bridge traditional interdisciplinary boundaries and address global challenges while driving economic, social, and environmental prosperity. We foster individual achievement in a collaborative culture that values diversity and the pursuit of excellence.

DEPARTMENTS
» School of Chemical, Biological, and Environmental Engineering
» School of Civil and Construction Engineering
» School of Electrical Engineering and Computer Science
» School of Mechanical, Industrial, and Manufacturing Engineering
» Department of Nuclear Engineering and Radiation Health Physics

DEGREE PROGRAMS
Undergraduate
» Bioengineering
» Chemical Engineering
» Civil Engineering
» Computer Science
» Construction Engineering Management
» Ecological Engineering
» Electrical and Computer Engineering
» Environmental Engineering
» Industrial Engineering
» Manufacturing Engineering
» Mechanical Engineering
» Nuclear Engineering
» Radiation Health Physics

Graduate
» Biological and Ecological Engineering
» Chemical Engineering
» Civil Engineering
» Computer Science
» Electrical and Computer Engineering
» Engineering Management*
» Environmental Engineering
» Industrial Engineering
» Materials Science
» Mechanical Engineering
» Medical Physics
» Nuclear Engineering
» Radiation Health Physics

OSU-Cascades
» Computer Science
» Energy Systems Engineering

*Expected start date summer 2014
Enrollment by Department

Summary by Academic Unit, Fall Term 2013

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<th>Academic Unit</th>
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FUNDING
(As of June 2013)
» Operational budget: $81.7M
» Research grants: $34M
» Annual private giving: $16.2M
» Scholarship support: $8.3M
» Nearly 30 percent of faculty research grants were funded by the National Science Foundation.
» During FY2013, engineering faculty innovations generated almost half of the entire university’s licensing income.

Where the money comes from

How the money was spent

FACULTY
» Since 1999, the college has tripled its research expenditures. Outside research awards won by the college generate about $46 million in gross and more than $10 million in net in social benefits.
» Faculty consistently earn top honors by local, national, and international organizations and award committees. Several faculty received a National Science Foundation CAREER Award during FY 2013, which supports emerging scholars and educators. These faculty join at least 20 other CAREER Award recipients in the college.

By the numbers
» Tenured/tenure-track: 153
» Instructors: 31
» Research personnel: 64
» Endowed positions and professorships (>+$250K): 17
ENDOWED POSITIONS AND PROFESSORSHIPS (> $250K)

The Boeing Professorship in Mechanical Engineering: Robert K. Paasch

Robert Paasch, an associate professor in mechanical design, conducts research in mechanical design theory, design methodology, and the design of systems for reliability and diagnosis.

The Callahan Faculty Scholar in Chemical Engineering: Karl Schilke

A new assistant professor, Karl Schilke’s research shows promise for ensuring safety, reducing the cost, and improving the performance of biomedical devices.

The Miles Lowell and Margaret Watt Edwards Chair: Harry Yeh

Harry Yeh, one of the world’s leading tsunami experts, was appointed to the Miles Lowell and Margaret Watt Edwards Chair to help develop what will be the largest and most technologically advanced tsunami research center in the globe.

The Michael and Judith Gaulke Chair of Electrical Engineering and Computer Science: John Wagner

A specialist in solid-state materials and devices, John Wagner is internationally recognized for his leading role in the development of transparent electronics.

The Eric H.I. and Janice Hoffman Faculty Scholar in Civil and Construction Engineering: Michael J. Olsen

The inaugural Hoffman Faculty Scholar, Mike Olsen is an assistant professor of geomatics whose research spans remote sensing, hazard mitigation, and 3D visualization.

The Glenn Willis Holcomb Structural Engineering Professorship: Solomon Yim

A member of the OSU faculty since 1987, Solomon Yim focuses on the interactions between fluid, soil, and structures in the marine environment.

Kearney Faculty Scholar in Civil and Construction Engineering: Jason Ideker

Jason Ideker joined the faculty of the School of Civil and Construction Engineering in September 2008. His research interests include high-performance concrete materials and durability of cement-based systems.

Kearney Professorship in Engineering: Scott Ashford

A professor and head of OSU’s School of Civil and Construction Engineering, Scott Ashford’s research focuses on enhancing public safety and reducing potential economic loss worldwide from earthquake and coastal hazards through cross-disciplinary research.

The James and Shirley Kuse Chair in Chemical Engineering: Gregory Rorrer

Since joining the Oregon State faculty in 1989, Greg Rorrer has earned international recognition for his research on using algae in biotechnology, nanotechnology, and environmental applications.

The John and Jean Loosley Faculty Scholar: Armin W. Stuedlein

Armin Stuedlein, assistant professor of geotechnical engineering, focuses on the performance and reliability of foundations and ground improvement methods for the support of civil infrastructure.

The Linus Pauling Chair in Chemical Engineering: Philip Harding

Philip Harding brings a wide variety of work experiences and connections, along with a strong interest in helping undergraduates in the School of Chemical, Biological, and Environmental Engineering consider the many career paths open to them.

The Hal Pritchett Chair in Construction Engineering Management: David Trejo

Previously a civil engineering professor at Texas A&M University, David Trejo conducts research focusing on the design and development of materials and systems for efficient construction processes and products.

The Henry W. and Janice J. Schuette Endowed Chair in Nuclear Engineering & Radiation Health Physics: José Reyes, Jr.

José Reyes’ high-profile research and international reputation helped move the Schuette to make such an important gift to the College of Engineering. In his first decade at the university, Reyes leveraged an initial $4,000 research grant into more than $13 million in additional research funding for his department.

The Tykeson Faculty Scholar in Energy Systems Engineering: Robin Feuerbacher

With more than 25 years in the private energy industry, Robin Feuerbacher joined OSU–Cascades in 2010 as an assistant professor to lead its new Energy Systems Engineering program.

The Welty Faculty Scholar: Open

In 2011 OSU Professor Emeritus Jim Welty created the endowed Welty Faculty Fellowship Fund in the School of Mechanical, Industrial and Manufacturing Engineering (MIME). He is recognized worldwide for his contributions to thermal fluids, the area of mechanical engineering concerned with heat transfer, fluid mechanics and thermodynamics.

The James R. Welty Professorship in Thermal–Fluid Sciences: James A. Liburdy

James Liburdy joined the faculty at OSU to pursue an active program of undergraduate and graduate education, to carry out research in the areas of fluid mechanics and heat transfer, and to interact with the Oregon’s growing technology–based industry.

The Tom and Carmen West Faculty Scholar: Brian Paul

A member of the OSU faculty since 1995, Brian Paul co–directs the Microproducts Breakthrough Institute (MBI), an Oregon Nanoscience and Microtechnologies Institute (ONAMI) facility jointly operated by OSU and the Pacific Northwest National Laboratory.