WELCOME TO THE COLLEGE OF ENGINEERING

Introductions

College of Engineering Ambassador program:

• Student success
• Outreach
• Recruitment
• Alumni relations
AGENDA

Student organizations/clubs
Research opportunities
Career Development Center
Leadership Center
Center for Diversity and Inclusion
Tutoring
Honors College
Q&A
STUDENT ORGANIZATIONS/CLUBS
Opportunities to Get Involved
CLUB FAIR
COOKIES AND CLUBS

Yearly kickoff event during Welcome Week to showcase our engineering clubs.

Demonstrations from many clubs.

Cookies!
American Institute of Astronautics and Aeronautics

• Eight subteams.
• Competitions.
• Option to be a senior design project.
ORGANIZATIONS AND CLUBS

Engineers Without Borders

- Humanitarian engineering.
- Partners with communities all over the world.
- Multidisciplinary.
ORGANIZATIONS AND CLUBS

Society of Automotive Engineers

Option to be a senior design project.

Two groups:

• Global Formula Racing.
• Beaver Racing Baja.
Society of Automotive Engineers

Global Formula Racing

- Formula One vehicles, two electric, one with driverless option.
- International partnership with DHBW Germany.
- Annual competitions in the U.S. and Europe.
ORGANIZATIONS AND CLUBS

Society of Automotive Engineers

Beaver Racing Baja:
• Off-roading vehicle.
• Annual competitions.
COMMUNITY STUDENT GROUPS

ACM-W: Association for Computing Machinery – Women's Chapter

NSBE: National Society of Black Engineers

oSTEM: Out in STEM

SACNAS: Society for the Advancement of Chicanos/Hispanics & Native Americans in Science

SHPE: Society of Hispanic Professional Engineers

SWE: Society of Women Engineers
RESEARCH OPPORTUNITIES
Exploration Outside of the Classroom

OREGON STATE UNIVERSITY
OREGON STATE UNIVERSITY

Oregon State is a R1 Research University.

$439.7 million in competitive research grants and contracts (2019)
RESEARCH EXPERIENCE FOR UNDERGRADUATES

Ten-week summer research experience working with faculty on real-world projects.

• Broaden your perspective on your major field.
• Deepen your understanding of a specific area.
• Advance your technical skills.
• Build your resume for future jobs or graduate school.
UNDERGRADUATE RESEARCH FOR SCHOLARSHIP AND THE ARTS

15-week program during the academic year.
• Mid-winter to the end of spring.

Eligible students:
• First- and second-year students.
• First-year transfer students.

Research or creative activity under the guidance of a faculty mentor.
$750 stipend.
OTHER OPPORTUNITIES

Reach out to professors who teach classes that interest you.

• Pro tip: Review their website and read a few recent papers before contacting them.

Network with teaching assistants and colleagues who are currently working in a research lab.

Check departmental websites, as well as their weekly newsletter, for opportunities.
CAREER DEVELOPMENT CENTER
Preparing to be a Professional Engineer
CAREER DEVELOPMENT CENTER

Located in Johnson Hall.

Staffed by trained students and the Career Development Center staff.

Services include resume building, interview tips, navigating the job search.

Drop-in hours every day.
CAREER FAIRS

Offered each term.

• Over 250 engineering companies attend throughout the year.

• Both local and national companies participate.

Networking nights sponsored by schools in addition to the Career Fairs.
JOB/INTERNSHIP SEARCHING

Major specific guidelines.
• “What can I do with my major?”

Resources:

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<td>CV or resume feedback.</td>
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<td>Focus2</td>
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<td>Career assessment.</td>
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Internships are not required to graduate, but are highly encouraged.

The Career Development Center and each school shares opportunities with students through Handshake.
MECOP/CECOP

Provides two, six-month paid internships.

Students placed at two different companies.
LEADERSHIP ACADEMY AND CENTER
Success Skills for Early Career Professionals
OREGON STATE UNIVERSITY
LEADERSHIP CENTER

Fosters students’ leadership strengths and prepares students for the workforce.

Helps develop soft skills and interpersonal communication techniques.
LEADERSHIP ACADEMY

Professional development program.

Attend a variety of seminars and workshops.

• Suit Camp, Summit, Seattle Trek/Industry Tours, Workshops.

Engage with industry members through tours, networking events, and mock interviews.
Members can apply to the Grand Challenges Scholars Program.

Part of National Academy of Engineering’s 14 goals to meet the engineering needs of the 21st century.

• Health, sustainability, joy of living, security.

Provide a transformational experience for students committed to building inclusive and collaborative communities to lead innovation.
CENTER FOR DIVERSITY AND INCLUSION

Student Support and Empowerment

OREGON STATE UNIVERSITY
Supports and empowers students who have traditionally been denied equal opportunities in the field of engineering.

Empowers underrepresented students in engineering.

Supports through clubs and programs.
Supported Groups
• DACA and undocumented
• First-generation
• International
• LGBTQ+
• Students of color
• Students with disabilities
• Womxn
Supported Organizations

- NSBE: National Society of Black Engineers
- oSTEM: Out in STEM
- SACNAS: Society for the Advancement of Chicanos/Hispanics & Native Americans in Science
- SHPE: Society of Hispanic Professional Engineers
- SWE: Society of Women Engineers
- ACM-W: Association for Computing Machinery – Women's Chapter
CENTER FOR DIVERSITY AND INCLUSION

Events

• Supply drives
• Luncheons
• Socials
• Club meetings
• De-stressing events
• Engineering and social justice workshops
TUTORING RESOURCES
Students Helping Students
OREGON STATE UNIVERSITY
TUTORING

Free to students.

Class-specific or general tutoring.

Drop-in or by appointment.

Tutors are current students (undergraduates or graduate students).
ENGINEERING SPECIFIC TUTORING

Based in Johnson Hall

- Chemistry
- Computer science and electrical engineering
- ENGR Courses
- Math
- Mechanical engineering
- Physics
Peer led study groups.

- Students who excelled in the course.
- Leaders attend lecture and are trained in active learning strategies.

Meet each week for approximately an hour.

Only supported with certain courses, past examples:

- Biology
- General chemistry
- Calculus
WORM HOLE

Weniger Hall, Third Floor

Physics help.

Sponsored by College of Science.
MOLE HOLE

Valley Library, Third Floor

Chemistry help.

Sponsored by College of Science.
VOLE HOLE

Weniger Hall, First Floor

Biology help.

Sponsored by College of Science.
WRITING CENTER

Valley Library, Second Floor

Tutors.

Help with:

• Brainstorming
• Editing

Supports all students, including English language learners.
ACADEMIC SUCCESS CENTER

Waldo Hall, First Floor

Academic coaching.

Provide strategies to help with studying.

Office hours.

Study groups.
HONORS COLLEGE
Choose Your Own Adventure
Approximately 7% of engineering students are in the Honors College.

Honors College Residence Halls
- West Hall
- Sackett Hall

Benefits
- Smaller class sizes.
- Priority registration.
- Honors thesis project.
Sponsored Student Organizations

College of Engineering Career Center

MECOP Resources

Leadership Academy and Center

Center for Diversity and Inclusion (CDI)

CDI Supported Organizations

Academic Support Resources

@ Contact: askengineering@oregonstate.edu (College of Engineering)

@ Contact: HCAmbassador@oregonstate.edu (Honors College)

➢ Article: NASA's Student Launch Competition

➢ Article: Global Formula Racing: Welcome to Driverless

➢ Video: Learn by Doing

➢ Podcast: Connecting with communities for clean water
SUMMARY

Have questions? Q&A session next!
Contact us! askengineering@oregonstate.edu
QUESTIONS?