



COLLEGE OF
ENGINEERING

STRATEGIC PLAN 2015 - 2020

Oregon State
UNIVERSITY



THE
STRATEGIC
PLAN

VISION

To create a better future

MISSION

The College of Engineering transforms lives and enhances society through impactful education and research. In an inclusive and open environment, we produce:

- Graduates who are highly valued and in demand.
- Solutions to global challenges.
- Partnerships that ensure responsiveness to Oregon and beyond.

CORE VALUES

- **Excellence:** Our excellence is derived from a persistent commitment to hard work, diligence, perseverance, and consistency in the pursuit of the highest quality in whatever we do.
- **Collaboration:** We value engagement and connection at multiple levels in our professional lives — including work relationships, research, scholarship, service, and teaching — and believe that collaboration is an important element of our professional success.
- **Integrity:** An uncompromising commitment to honesty underlies everything we do.
- **Innovation:** We value and support each other in taking risks, and we strive to create economic and societal value.
- **Respect:** We respect one another in an environment in which we value, consider, and are influenced by others' feelings and perspectives.
- **Responsibility:** We recognize and embrace our role in the stewardship of our students, colleagues, and Oregon's citizens.

GOALS AND OBJECTIVES

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BECOME A RECOGNIZED MODEL AS AN INCLUSIVE AND COLLABORATIVE COMMUNITY.

1. Envision, develop, and resource the infrastructure and communication systems to promote, sustain, and celebrate this culture and community.
2. Live the experience in all interactions across the college daily; dedicate resources to training faculty, students, and staff to realize, honor, and sustain this culture throughout the college.
3. Purposefully and thoughtfully recruit and retain a more broadly diverse community.

PERFORMANCE GOAL STATEMENT FOR COMMUNITY:

By 2020, the College of Engineering is recognized as a national model of inclusivity and collaboration, as evidenced by:

- A well-disseminated model of success that is sought out by others.
- A community of faculty, students, and staff that is increasingly more inclusive, collaborative, diverse, and centered on student success.
- Fully operational and integrated infrastructure, training, education, and communication systems that support our model throughout the college.

PROVIDE A TRANSFORMATIONAL EDUCATIONAL EXPERIENCE THAT PRODUCES GRADUATES WHO DRIVE CHANGE THROUGHOUT THEIR LIVES.

1. Transform student success through impactful learning experiences.
2. Transform College of Engineering curricula for the needs of the future.

PERFORMANCE GOAL STATEMENT FOR EDUCATION:

By 2020, the College of Engineering provides a transformational educational experience that produces graduates who drive change throughout their lives, as evidenced by:

- Increased student access and student success such that any engineering student achieving proficiency in pre-core courses may enroll in the professional engineering major of their choice.
- Curricula that are recognized as innovative and progressive by a broad spectrum of stakeholders.
- Highly sought after engineering graduates who continue to broadly demonstrate high levels of professional and technical abilities.

GOALS AND OBJECTIVES



LEAD RESEARCH AND INNOVATION TO DRIVE BREAKTHROUGHS THAT CHANGE THE WORLD.

1. Invest in, build out, promote, and advance research areas in three categories:
 - i. Signature research areas to address key global challenges: precision health, clean energy, resilient infrastructure, and advanced manufacturing.
 - ii. Information technology to provide a stronger foundation for all research activities.
 - iii. Targeted strategic areas with existing competitive advantages: robotics, materials research, and clean water.
2. Obtain large externally funded research centers.
3. Realize and foster a collaborative, interdisciplinary, and creative research environment.
4. Increase research productivity of tenured, tenure-track, and research faculty.
5. Promote excellence in research by recruiting and supporting high-quality graduate students.

PERFORMANCE GOAL STATEMENT FOR RESEARCH:

By 2020, the College of Engineering leads research and innovation to drive breakthroughs that change the world, as evidenced by:

- National recognition as a leader in at least two of our signature research areas, resulting from two externally funded research centers.
- Increased impact through a broad and deep research program supported by growth in faculty proposal submissions, research grants, citations, and conferred graduate degrees.

ESTABLISH THE COLLEGE OF ENGINEERING AS THE PARTNER OF CHOICE FOR INDUSTRY, GOVERNMENT, AND ACADEMIA.

1. Demonstrate college-wide practices to maintain and grow the college's reputation as Oregon's engineering education and research partner of choice for Oregon, the Pacific Northwest, and global industry and economic sectors.
2. Implement a strategic calendar of efforts to increase the political influence of the College of Engineering in state and federal funding streams.
3. Design curricula that are responsive to industry technology, workforce development direction, and speed of advancement.

PERFORMANCE GOAL STATEMENT FOR PARTNERSHIPS:

By 2020, the College of Engineering is considered the partner of choice among internal and external partners, as evidenced by:

- Strategic partnerships with industry, government agencies, and Oregon State entities that provide mutual benefit to all parties involved. Our strategic partners will be champions on our behalf due to their positive partnership experiences with the College of Engineering.
- Demonstrated growth in philanthropic, industry, state, and federal funding through strategic partnerships.



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