

DRAFT Task Force Reports
College of Engineering
March 15, 2019

Purpose and Values

Vision **N**ebbraska Engineering

Do we need a vision statement?

Mission **N**ebbraska Engineering

We are a diverse and inclusive community that invests in our students, faculty, and staff to develop the Complete Engineer: an innovator, solver, leader and collaborator.

- An Innovator who drives economic development
- A Solver who addresses global challenges
- A Leader who builds a legacy of service
- A Collaborator who generates effective and creative solutions

Principles **N**ebbraska Engineering

- Commit to success
- Create the future
- Dare to think boldly
- Challenge yourself
- Be a leader
- Build a team
- Be ethical
- Be inclusive
- Serve others

People

Distinctive Capability

We are the preeminent College of Engineering whose diverse and collaborative community of students, faculty, and staff are world-class leaders and problem solvers who embody Nebraska's tradition of perseverance, ingenuity, integrity, and stewardship to drive global transformation.

Strategies

- Attract and retain diverse students, faculty, and staff.
- Enable individuals to develop their identity and co-create their experiences to achieve personal and professional goals.
- Foster a culture in which students, faculty, and staff interact collaboratively in the pursuit of excellence in teaching, research, and service.
- Connect students, faculty, and staff to internal and external opportunities and resources, empowering them to make a global impact.

Scholarship

Distinctive Capability

We are an ecosystem of learners leading discovery and innovation. We capitalize on our collective strengths and create opportunities for global impact.

Strategies

- Intentionally build a collegial and intellectual community to foster understanding and appreciation of one another's interests and expertise to create a common identity. [*This could include: COE retreats, poster session, targeted COE focus areas seminars, formal mentorship programs, and an improved communication pipeline.*]
- Stimulate collaboration to build unique areas of strength and common interest for innovative interdisciplinary research. [*This could include: targeted grant funding for interdepartmental COE exploration for research, travel and conferences.*]
- Leverage these unique areas of strength and common interest into hubs of scholarly activity that attract resources, collaborators, and enhance faculty strengths. [*This could include: funding for development of center grants.*]
- Enact new models for education and research to enhance innovation. Be an incubator for new methodologies in teaching, learning, and research. [*This could include: competitive programs to investigate and implement new evidenced based models in student learning, entrepreneurship, and research.*]

Education Programs

Distinctive Capabilities

We believe a diverse and engaged community of passionate learners build a better world. Our research-informed, innovative, and experiential educational programs prepare and inspire Nebraska Engineering students to lead in a rapidly changing society.

Strategies

- Develop a common first year curriculum and experience that supports exploration of engineering and community building resulting in an informed choice of major.
- Establish a design-based, coherent, experiential learning curriculum open to all students (undergraduate and graduate) that includes options for research, community engagement, or co-curricular activities.
- Commit to future-ready and strategic programs through an understanding of the critical needs of society.
- Support the development of complete engineers (undergraduate and graduate) through integrated curricular and co-curricular activities.

External Relations

Distinctive Capability

Nebraska Engineering is the premier and trusted partner for those individuals and industries seeking to invent the future through engineering and innovation.

Strategies

- Reputation: Enhance the national perception of the College of Engineering by working with key stakeholders.
- Internal Organization: Increase brand awareness of "Nebraska Engineering" globally through an organized external affairs function.
- Partnerships: Identify and develop key external partnerships to support internships and other engineering initiatives.

- Fundraising: Increase funding and resource commitments to further scholarship and research priorities at the undergraduate and graduate level.

Internal Operations

Distinctive Capability

College of Engineering internal operations delivers comprehensive service and support to achieve adaptive, efficient solutions within a unified culture of respect.

Strategies

- Address needs of the engineering community via continuous assessment and improvement.
- Identify and implement best practices to ensure efficient comprehensive service and support in areas of focus.
- Build respectful relationships through enhancing awareness of everyone's unique contributions.
- Forecast operational needs in anticipation of the College of Engineering evolution.
- Promote shared identity through improved communication and additional opportunities for engagement.