



Strategic Plan

2018-2023

Inspiring incredible journeys

Preparing the next generation of engineers and pursuing groundbreaking research requires transformational thinking, bold actions and diverse partnerships. Grand challenges need great minds as we create solutions to make Iowa and the world a better place. Our pursuit of excellence means strategically investing in our students, faculty and staff to reach new heights. A prestigious program is nothing without passion – so we will continue to inspire and think creatively on our incredible journey.



Vision

We will be a premier engineering college among the land-grant institutions, globally recognized as a destination for excellence and value in education, research and engagement.

Mission

We will achieve broad-based impact by:

- Fostering an inclusive and creative environment that promotes scholarship and learning.
- Providing a high-quality, experiential education that prepares students to meet the global challenges of the 21st century.
- Conducting discipline-bridging, innovative research.
- Engaging broadly with partners in Iowa and around the world.



Diversity and Inclusion

Strategic Objectives

We will foster an inclusive culture for our students, faculty and staff through effective programming, engagement and accountability.

- We will operate an environment which confirms the value of every person and treats people equitably, ethically and with respect.
- We will model and practice inclusion and the [ISU Principles of Community](#) in all facets of our mission.

Key Actions

- We will recruit and retain outstanding faculty, staff and students who will enhance the diversity and inclusive culture of the college.
- We will invest in comprehensive efforts focusing on multicultural competencies and inclusion across the college – including our education, research and engagement programs.



Education

Strategic Objectives

We will provide an effective and rigorous learning environment for engineering undergraduate and graduate students to develop the knowledge, skills and abilities necessary to solve the problems facing society.

- We will promote effective teaching and student learning and success in our educational programs.
- We will graduate students with the technical knowledge and professional skills to be well prepared for their careers.

Key Actions

- We will use consistent, rigorous, quantitative and qualitative techniques to make data-based decisions to promote student success.
- We will raise the profile of effective teaching and student-success efforts and provide mechanisms to incentivize and increase development and translation of effective pedagogical practices.



Research

Strategic Objectives

We will enhance the college's research profile by conducting high impact research that is responsive to society's grand challenges.

- We will raise our global stature through impactful research achievements.
- We will improve our visibility so our achievements are properly recognized in rankings and awards.

Key Actions

- We will facilitate high impact research by investing in existing and emerging research areas of excellence. These include advanced materials and manufacturing, energy systems, resilient infrastructures, engineered medicine, engineering education, and secure cyberspace and autonomy.
- We will improve the effectiveness of graduate student recruiting, retention and professional development programs and strive for a research-based collaborative learning environment that enables students to reach their fullest potential.
- We will increase the visibility of our research portfolio through strategic networking and marketing.



The College of Engineering hosts one of the largest career fairs in the nation.

Engagement

Strategic Objectives

We will develop diverse partnerships to help businesses, communities and the college prosper and grow.

- Companies will target the college for their hiring, education, technical assistance, research, and philanthropic needs because of the enhanced value we provide our corporate clients.
- We will serve a greater role in economic development by streamlining business and community engagement with the college.

Key Actions

- We will improve the effectiveness of our business relationship processes to enhance engagement, strengthen research and increase internship and full-time opportunities for our students.
- We will implement a coordinated economic development framework to address challenges associated with Iowa's ability to form new businesses, grow existing industry, enhance communities, and recruit companies.
- We will broaden involvement in K-12 outreach programs to enhance participation in engineering.