



2024 - 2029

Strategic Plan

IOWA STATE UNIVERSITY
College of Engineering

Mission

We will build a better world through innovative, inclusive, and impactful education, research, outreach, and engagement in our varied engineering disciplines as a premier global engineering college.

Vision

Applying our land-grant ideals, we will be a premier engineering college, globally recognized for our excellence, value, and inclusion in experiential education, discipline-bridging research, professional leadership, and community-driven outreach and engagement.

Core Values

We embrace the ISU values of Principles of Community:

- Respect
- Purpose
- Cooperation
- Richness of diversity
- Freedom from discrimination
- Honest, respectful expression of ideas

We will practice the highest ethical and professional standards while embracing access, excellence, innovation, collaboration, and responsibility.

A Dynamic, Innovative Journey

Our pursuit of excellence is realized by strategically investing in our students, faculty, and staff to reach new heights. We are committed to creating a diverse, equitable, and inclusive working and learning environment; preparing the next generation of engineers through transformative education for global competitiveness; providing sustainable solutions to the world through groundbreaking and interdisciplinary research; and making Iowa and the world a better place through partnerships and community engagement. We will continue to inspire and think creatively on our dynamic, innovative journey by focusing on the following key pillars of excellence.

Pillar of Excellence

EDUCATION

Strategic Objectives

We will provide an effective and rigorous learning environment for our undergraduate and graduate students to develop the knowledge, abilities, and perspectives necessary to address the problems and opportunities facing society.

We will promote effective teaching practices to support student learning and success in our educational programs.

We will continuously adapt our curriculum and develop new educational programs to respond to evolving topics, technologies, and societal needs.

Key Actions

We will adopt consistent, rigorous, and both quantitative and qualitative approaches to make data-driven decisions that foster student success.

We will raise the profile of efforts focused on impactful teaching and student success and incentivize the development and implementation of effective pedagogical and professional development practices.

We will effectively leverage modern tools and technologies to enhance and expand access to high-quality educational programs for on-campus, off-campus, and online learners.

Pillar of Excellence

RESEARCH

Strategic Objectives

We will cultivate an agile and impactful [research enterprise](#) that addresses society's needs and challenges.

We will conduct scholarly research that advances knowledge and engineering practice.

We will foster the development of engineers and researchers across educational levels.

We will build strategic collaborations spanning academia, industry government, and other stakeholders.

Key Actions

We will recruit outstanding faculty, staff, and students.

We will develop the necessary research infrastructure.

We will invest in sustainable research collaborations.

Pillar of Excellence

DIVERSITY AND INCLUSION

Strategic Objectives

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

We will cultivate an environment that affirms the value of every person; treats all people equitably, ethically, and with respect; and provides a supportive community for all individuals.

Key Actions

We will recruit and retain outstanding students, faculty, and staff who will enhance the diversity and inclusive culture of the college.

We will invest in comprehensive efforts that support the development and practice of intercultural competencies and inclusiveness within our education, research, outreach, and engagement programs.

We will model and practice inclusion and the **ISU Principles of Community** in all facets of our mission.

Pillar of Excellence

ENGAGEMENT AND OUTREACH

Strategic Objectives

We will expand partnerships with external partners, public communities, alumni, industry, academia, and government that significantly contribute to and enhance engineering education, research, workforce development, and economic development.

We will facilitate economic development opportunities to help Iowans create new businesses, grow existing industries, and enhance communities.

Key Actions

We will expand fellowships, internships, co-op experiences, and career opportunities for our students.

We will strategically expand our K-12 outreach and recruitment efforts to improve STEM education in Iowa and to broaden student participation in engineering.

We will engage with stakeholders to play a proactive role in economic development via intellectual property creation, technology transfer, and commercialization.

