

# College of Engineering

## Dean

- Ann F. McKenna

## Associate Dean, Academic Programs

- Nicole M. Grosland

## Associate Dean for Research and Faculty

- H.S. Udaykumar

## Associate Dean for Graduate Education

- Suresh Raghavan

### Undergraduate degree: BSE

**Undergraduate certificates:** applied climate science and energy technologies; artificial intelligence, modeling and simulation in engineering; naval science and technology; technological entrepreneurship

**Graduate degrees:** MS; PhD

**Graduate certificates:** artificial intelligence, modeling and simulation in engineering; sustainable water development

**Website:** <https://engineering.uiowa.edu/>

## Programs

## Undergraduate Programs of Study

The College of Engineering offers the Bachelor of Science in Engineering (BSE) with majors in biomedical, chemical, civil, computer science and engineering, electrical, environmental, industrial, and mechanical engineering.

For information about each BSE major, see each area in the catalog.

The college also offers combined undergraduate degree programs with the College of Liberal Arts and Sciences and the Tippie College of Business; a dual degree with the University of Northern Iowa; a combined BSE/master's degree program in each engineering discipline; and combined BSE/master's degrees with the Department of Computer Science, the Department of Occupational and Environmental Health, and the School of Planning and Public Affairs. For additional information, see "Combined and Dual Degrees" in the Bachelor of Science in Engineering, BSE section of the catalog.

In addition, the College of Engineering offers a Certificate in Applied Climate Science and Energy Technologies, the undergraduate Certificate in Artificial Intelligence, Modeling and Simulation in Engineering, a Certificate in Naval Science and Technology, and partners with the Tippie College of Business to offer a Certificate in Technological Entrepreneurship for undergraduate engineering students.

## Graduate Programs of Study

The College of Engineering offers graduate degree programs, the Master of Science (MS) and Doctor of Philosophy (PhD), in biomedical engineering, chemical and biochemical

engineering, civil and environmental engineering, electrical and computer engineering, industrial engineering, and mechanical engineering. See the College of Engineering Graduate Studies website for an overview, and the department sections in the catalog for information about specific areas of research and study, admission and degree requirements, and financial support for the graduate programs. The College of Engineering also offers the graduate Certificate in Artificial Intelligence, Modeling and Simulation in Engineering, Certificate in Transportation Planning, and a graduate Certificate in Sustainable Water Development.