



I AM A SPARTAN OF INNOVATION.

Engineering is among the founding disciplines of MSU and among the three largest academic units. Degrees granted by the college are among the most sought and valued in the marketplace. Working with partners in industry and government, we develop technology talent to drive the economy of Michigan and beyond.

ENROLLMENT

7,000+

Engineering Students

6,100+

Undergraduate

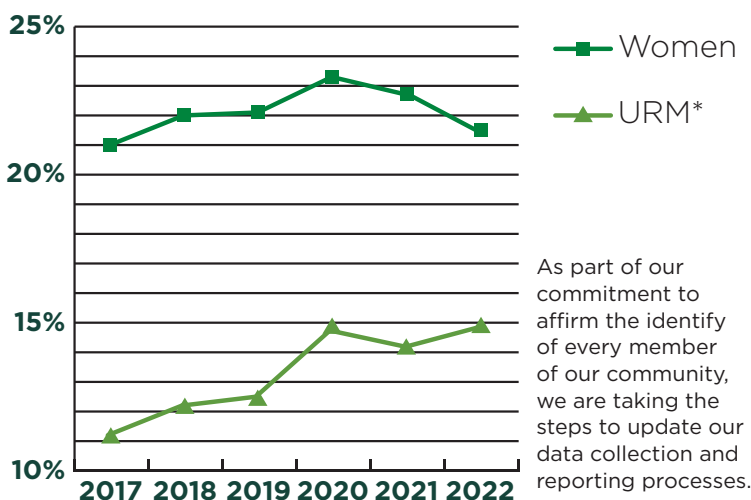
900+

Graduate (M.S. & Ph.D.)

493

International Graduate Students

PROGRESS TOWARD INCLUSIVITY



*Includes Native American/Alaska Native, Black/African American, Hispanic/Latino, Native Hawaiian/Other Pacific Islander and Two or More Race students.

ACADEMICS

297

Faculty

11

Bachelor's Degrees

11

Graduate Degrees

| Degree Programs | B.S. | M.S. | Ph.D. |
|---|------|------|-------|
| Applied Engineering Sciences | ✓ | | |
| Biomedical Engineering | | ✓ | ✓ |
| Biosystems Engineering | ✓* | ✓ | ✓ |
| Chemical Engineering | ✓* | ✓ | ✓ |
| Civil Engineering | ✓* | ✓ | ✓ |
| Computational Data Science | ✓ | | |
| Computational Mathematics Science & Engineering | | ✓ | ✓ |
| Computer Engineering | ✓* | | |
| Computer Science | ✓** | ✓ | ✓ |
| Electrical & Computer Engineering | | ✓ | ✓ |
| Electrical Engineering | ✓* | | |
| Engineering Mechanics | | ✓ | ✓ |
| Environmental Engineering | ✓* | ✓ | ✓ |
| Materials Science & Engineering | ✓* | ✓ | ✓ |
| Mechanical Engineering | ✓* | ✓ | ✓ |

*Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>.

**Accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>.

Michigan State University is accredited by the Higher Learning Commission.

RESEARCH PRIORITIES

Applied Electromagnetics

Development of electromagnetics devices and technologies to improve communication and sensing capabilities for a wide array of consumer, industrial and governmental applications.

Computational and Informational Systems

Algorithm design and software development to enable and advance data mining, artificial intelligence, machine learning, computer vision, context-aware computing, trustworthy computing, and cyberphysical systems.

Health and Biomedical

Discovering and engineering solutions to enhance health and wellness and to improve health care for increased longevity and quality of life.

Materials, Mechanics, and Advanced Manufacturing

Creation of new and improved materials, properties, performance and applications, as well as improved processes for manufacturing and joining.

Mobility and Robotics

Designing mechanisms for improving the lives of people, facilitating transportation, and supporting manufacturing of goods, with particular emphasis on a new generation of autonomous, connected, energy-efficient vehicles that can operate safely under real-world conditions.

SmartAg

Applying technology to the agro-food supply chain to enhance food safety, food security, and system efficiency.

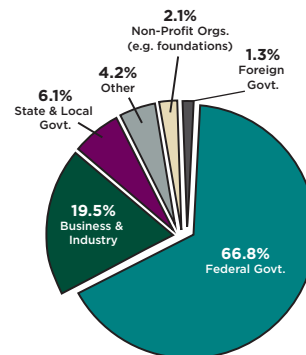
Sustainability: Infrastructure, Environment, Energy, and Water

Creating sustainable approaches to meeting societal resource needs, optimizing interactions between the natural and built environments, and protecting human and environmental health.

Oct. 2023

TOP FEDERAL FUNDING SOURCES

- National Science Foundation (NSF)
 - Department of Health and Human Services (HHS)
 - Department of Defense (DOD)
 - Department of Energy (DOE)
 - US Department of Agriculture (USDA)
 - National Aeronautics and Space Administration (NASA)
- (all of those are more than \$750,000)



\$62.5 M

Engineering Research Expenditures

CAREER OUTCOMES AND ECONOMIC IMPACT

Aug. 2023

The College of Engineering is among MSU's top producers of research discoveries and commercialization that help build a diversified economy and generate jobs for Michigan and beyond. Spartans engineer a healthier, safer, and more sustainable world in industries including automotive, manufacturing, insurance, commercial banking, information technology, electronic and hardware, small business sectors, and more.

500+

Employers Hire
MSU Engineers

\$73,921

Average Starting
Salary

97.9%

Graduate Placement Rate
(employed or continuing education)

57.3%

Graduates Employed
in Michigan

75.2%

Graduates Employed
in Midwest

Top States (outside of MI)

IL, WI, CA, IN, OH, TX, MN, WA, NY



Data represents Spring 2022 survey results from graduating undergraduate students