College of Engineering
MICHIGAN STATE UNIVERSITY

WHO WILL ENGINEER THE FUTURE?

SPARTANS WILL.

Engineering is among the founding disciplines of Michigan State University 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 REPORT
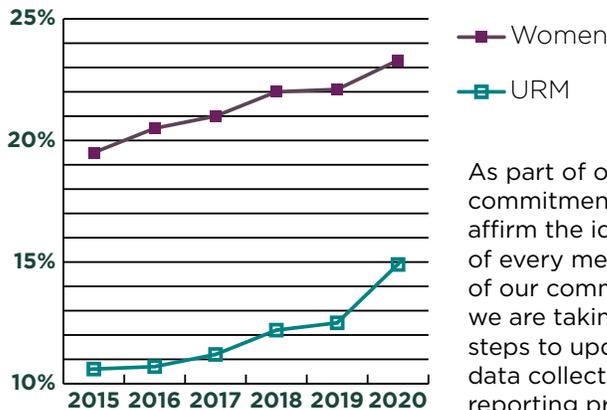
7,000+
Engineering Students

6,180+
Undergraduate

880+
Graduate (MS & PhD)

585
International Graduate Students

UNDERGRADUATE ENROLLMENT

- Women
- URM

As part of our commitment to affirm the identify of every member of our community, we are taking the steps to update our data collection and reporting processes.

ACADEMICS

235
Tenure-System Faculty

11
Bachelor's Degrees

11
Graduate Degrees

Degree Programs	BS	MS	PhD
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 and 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 and their applications, coupled with fundamental and comprehensive understanding of their properties and performance, as well as improved processing systems, for use in the production of goods.

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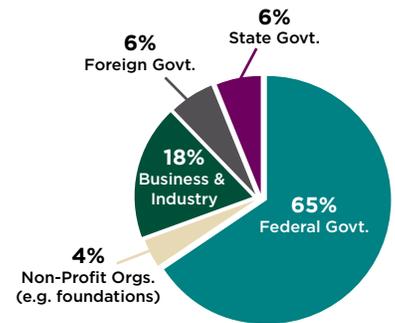
SmartAg
Applying technology to the agro-food supply chain to enhance food safety, food security, and system efficiency.

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.

TOP FEDERAL FUNDING SOURCES

- National Science Foundation (NSF)
- Department of Defense (DOD)
- Department of Health and Human Services (DHHS)
- Department of Energy (DOE)
- US Department of Agriculture (USDA)
- National Aeronautics and Space Administration (NASA)
- Department of Homeland Security (DHS)
- United States Agency for International Development (USAID)

Pie chart:
- 6% State Govt.
- 6% Foreign Govt.
- 18% Business & Industry
- 65% Federal Govt.
- 4% Non-Profit Orgs. (e.g. foundations)

$47.0 M
Engineering Research Expenditures

CAREER OUTCOME AND ECONOMIC IMPACT

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.

$70,000
Median Starting Salary

97%
Participated in Career-Based Activity Outside of Class

60.6%
Graduates Employed in Michigan

500+
Employers Hire MSU Engineers

80.1%
Graduates Reported a Career Outcome

76.3%
Graduates Employed in Midwest

Top States (outside of MI)
IL, OH, CA, WA, VA, GA, MN, WI, IN