

SHOW-ME:

The Future of Engineering

Strategic Plan

2025–2030



College of Engineering
University of Missouri



At Mizzou Engineering, every student is prepared to lead, discover and serve. Together we don't just adapt to change — we shape it, advancing technology, materials, energy and health innovations that strengthen Missouri's economy and improve lives everywhere.

Marisa Chrysochoou, PhD
Dean and Ketcham Professor
College of Engineering

Μηνογιόου



**29 DEGREE
PROGRAMS**

13 Undergrad
9 Master's
7 Doctoral

95%
First year
retention



45+
Student
Organizations



The only
Carnegie
Research 1 AAU
in Missouri



3000+
Undergraduates



College of Engineering
University of Missouri



500+
Graduate Students



ENGINEERING LEADERS

Elevate learning through innovation

Advance digital fluency

Empower changemakers

Shape the workforce of the future

- Integrate AI-driven tools and mentoring into next-generation teaching, supported by two **National Science Foundation** grants, to create adaptive learning experiences that meet students where they are.
- Provide every student access to advanced training in AI, quantum computing, virtual reality and machine learning for real-world applications.
- Ensure every student completes a signature experience in leadership, research or entrepreneurship through the **Tiger Impact** initiative.
- Offer stackable micro-credentials, modular degrees and lifelong learning opportunities in emerging areas such as AI, quantum technologies and sustainable energy.



ENGINEERING **IMPACT**

Engineer breakthrough technologies

Harness computing power

Lead convergence in emerging fields

Accelerate research translation

- Build the **Energy Innovation Center**, a 116,000-square foot research facility that will unite engineers and scientists to advance energy, materials and data research for a sustainable future.
- Drive discovery through the **Center for Quantum Innovation**, the **Center for Geospatial Intelligence** and the **Cyber Education, Research and Infrastructure Center**.
- Strengthen collaboration with **NextGen Precision Health** and the **MU Research Reactor** to accelerate interdisciplinary breakthroughs in health, energy, materials and nuclear science.
- Expand industry and federal partnerships that move discoveries from lab to market and connect researchers with entrepreneurs, leveraging the **Mizzou TechHub** and the **Missouri Innovation Center**.



ENGINEERING CONNECTIONS

Fuel partnerships with industry

Engage alumni for lifelong connections

Expand pathways to engineering

Serve communities through collaboration

- Fuel industry partnerships through a tiered engagement platform that connects companies with students, faculty and research — from classroom collaborations to large-scale innovation alliances.
- Engage alumni as lifelong partners through mentoring opportunities, cooperation and investment in the success of students and faculty members.
- Expand pathways to engineering by growing K-12 outreach, the **Summer Bridge Program** and engineering summer camps, alongside community college partnerships and transfer pipelines.
- Collaborate with communities and **MU Extension** to share engineering expertise through outreach, applied research and public engagement across the state.