

# SHOW-ME-

## The Future of Engineering

# Strategic Plan

2025-2030



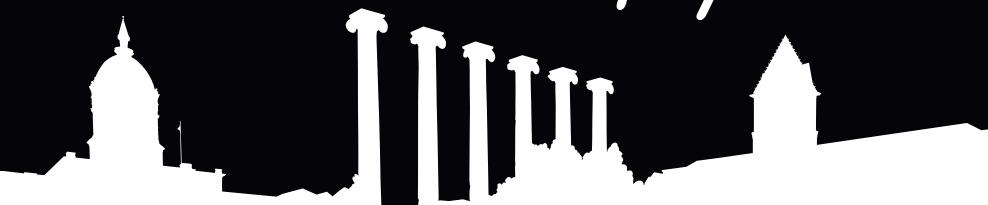
College of Engineering  
University of Missouri



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

*Mizzou*



 **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 TecHub** 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.