Experiential Major Menu

This menu is a tool for you to use to explore opportunities at Mines outside of the classroom. These are not requirements, but rather recommendations to help you leverage what Mines has to offer. Just like at a restaurant, choose what looks best to you and start from there! This menu can help you create your own pathway and customize your experience during your time at Mines.

The activities are placed in specific years based off staff and faculty recommendations, but you can participate in most of them at any time. There is never a wrong time to get involved if you're looking, and no pressure to do any of these things!

Get to know Mechanical Engineering

Our department prides itself in providing a challenging yet rewarding experience for undergraduate students to develop as engineers, scholars and citizens. A degree in Mechanical Engineering will give you a strong background in core engineering and science courses with course options in thermodynamics, fluids, mechanics of materials, machine design, computer-aided engineering and heat transfer.

Our students engage in our project-based courses in the middle years to build design and problem-solving skill sets valued by industry and to prepare for the senior year Capstone Design experience. Students are also encouraged to get involved in research with our faculty. These research areas include: biomechanics, solid mechanics and materials, thermal-fluid systems, and robotics. Students also have the opportunity to build depth within the degree by taking one of our 8 tracks, including Aerospace, Automotive and Biomechanics.

"Mines offers students the opportunity to engage with their course material through relevant and actionable projects."

Anna Christiansen

Academic options in Mechanical Engineering

Explore the options below to see how to expand upon a Mechanical Engineering degree and what to expect from the course load.

- **Commonly Pursued Minors**
  - Robotics and Intelligent Systems
  - Electrical Engineering
  - Computer Science
  - McBride Honors Program
  - Teaching

- **4+1 Programs**
  - Mechanical Engineering or any other discipline

- **Academic Flow Chart**
- **Academic Catalog**

Get Involved

Attend Celebration of Mines in August to get to know campus organizations and academic departments, sample food, and play games. Below are some departments that offer many great opportunities to enhance your experience here at Mines.

- **Student Activities, Involvement & Leadership**
- **University Honors and Scholars Program**
- **Every Oredigger**
• Look into joining a MS specific student organization
• Explore opportunities to get involved with the Undergraduate Student Government
• Explore options to get involved with RHA and Community Councils
• Apply for the Environmental Leadership Lab trip and Scholars Program. Check the Daily Blast for more information in April.

• Attend the Leadership Summit and develop your leadership skills on campus
• Participate in the Leadership Workshop Series with SAIL
• Attend the Rinnehack Program lectures
• Sign up to engage in innovative thinking and real-world problem solving with i内のChallenges.

• Attend the annual Celebration of DI&A
• Attend a Bystander Intervention training
• Become familiar with the Counseling Center's services
• Attend Career Day for summer internship positions
• Attend the annual Celebration of DI&A
• Attend an Emerging Scholars Seminar Series to learn about various research topics
• Find a faculty member you are interested in working with and apply for SURF
• Explore diverse opportunities through SURF
• Manage departmental or student organization’s web and/or social media presence

• Attend a mandatory meeting or training
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• Sign your family up for the CASA First-Year Family Newsletter
• Attend the Make Fair and celebrate a major in late April at Declaration Day with CASA. Keep an eye out for an announcement in the Daily Blast.

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