

# MISSOURI

UNIVERSITY OF MISSOURI-COLUMBIA



## STUDENT ORGANIZATIONS



## College of Engineering



## Engineering for Fun

Mizzou has pioneered engineering education and research since it offered the nation's first engineering class west of the Mississippi River in 1849.

We invite you to join the University of Missouri–Columbia College of Engineering's tradition of excellence. Be among the nearly 1,800 students from throughout the world who come to Mizzou to learn about engineering from leaders in their fields.

And have fun while you do it.

Celebrate Engineers' Week — known simply as "E-Week" on campus — in honor of St. Patrick, who Mizzou students in 1903 dubbed the patron saint of engineers. Try your hand at building race cars or concrete canoes with our College of Engineering teams, or join engineering students using their skills to improve the everyday lives of people here and abroad.

Let us introduce you to Mizzou and all the ways in which you can be a part of the fun, exciting and challenging Mizzou Engineering community.

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For more about Mizzou engineering:  
**[engineering.missouri.edu](http://engineering.missouri.edu)**



# Teams

**The Basic Utility Vehicle Team** builds a low-cost vehicle to compete in an annual national design competition. You'll help provide mobility and opportunity to impoverished areas throughout the world as a member of this team.

**The Concrete Canoe Team** builds and races a vessel made almost entirely of concrete in a regional contest each year. On this team, you'll have the opportunity to develop project management and leadership skills and gain hands-on, practical experience working with concrete mix designs.

**The Concrete Cube Team** pits its concrete design skills against those of teams from around the world by building two-inch cubes for the American Concrete Institute's annual competition. You'll gain practical concrete technology experience while participating in this group.

Right: Bottom left photo by Stefano Paltera/North American Solar Challenge



# Teams

**The Society for the Development of Alternative Energy Team** designs and builds an alternative fuel car every two years for international competition. You'll help the team move from solar power to fuel cell technology as a member of this organization.

**The Society of Automotive Engineers Formula Car Team** designs and builds small racing cars for international competition. As a member of this team, you'll enjoy the challenge of devising a car that meets tight frame and engine restrictions.

**The Steel Bridge Team** plans and builds a miniature steel bridge to meet competition rules that change annually. You'll learn bridge design and construction techniques through first-hand experience on this team.

**The Timber Bridge Team** constructs a wood bridge for a national timber bridge design competition sponsored annually by the U.S. Forest Service. You'll build a bridge that is both useful and attractive as part of this team.

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“It’s hands-on, and you get to work on very open-ended design problems.”

**Dane Schadt, mechanical engineering**  
Basic Utility Vehicle Team







“I like the idea of using engineering skills to do humanitarian work and develop areas of the world that need it most.”

**Katie Pfefferkorn, chemical engineering**  
Engineers Without Borders



## Clubs

### **The Association for Computer Machinery Club**

provides a community for computing enthusiasts to discuss and learn about current and emerging technologies. You'll meet every month for pizza and an expert presentation on computing as part of this association.

**The Biological Engineers Club** brings together biological engineering students to learn and socialize with each other. You'll learn more about biological engineering careers, meet alumni and improve your leadership skills as a member of this club.

**The Engineering Entrepreneurship Club** works to create an entrepreneurial atmosphere within the college and support student and faculty businesses. You'll learn vital business skills and have a chance to pursue entrepreneurial projects as part of this group.

**The Engineers Without Borders Club** works with developing international communities to build sustainable engineering projects. You'll gain hands-on engineering experience while improving the quality of life in these communities as a part of this nonprofit organization.



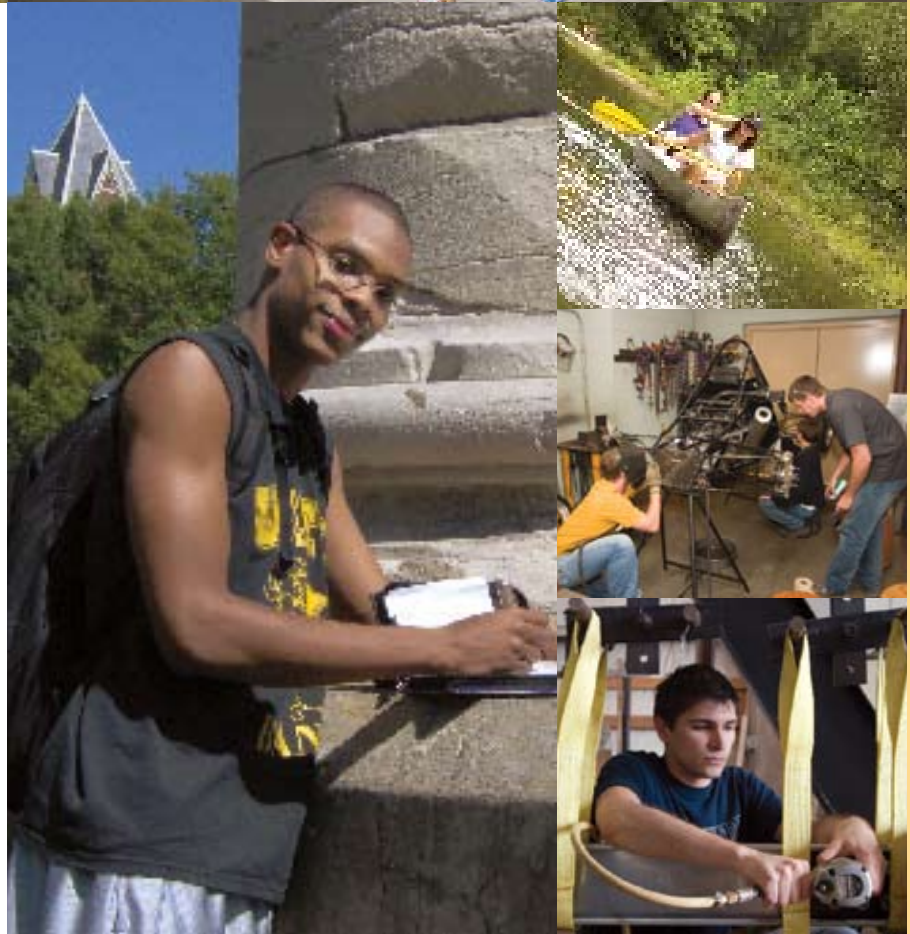


# Professional Development

**The American Institute of Aeronautics and Astronautics** is the world's largest professional society dedicated to aviation, space and defense engineering and science. You'll have the opportunity to take part in aerospace design competitions as well as meet and share ideas with like-minded students and professionals as a member of this organization.

**The American Institute of Chemical Engineers** strives to keep chemical engineering students informed about changes in their industry. As a member of this group, you'll hear guest speakers and attend regional and national conferences.

**The American Society of Civil Engineers** offers a forum for students interested in civil engineering. You'll learn about civil engineering specialties and find out about ways to apply your knowledge as part of this organization.





# Professional Development

**The American Society of Mechanical Engineers** is a resource for mechanical engineering students. You'll stay abreast of job openings and opportunities to take part in guest lectures, student projects, industry tours and outreach programs as a member of this group.

**The Institute of Electrical and Electronics Engineers** plugs electrical and computer science engineers into a worldwide technical professional network. You'll hear about engineering innovations as well as potential employment opportunities through this group.

**The Institute of Industrial Engineers** seeks to promote the field through study, research and discussion. As a member of this organization, you'll be able to network and share information with engineers doing work similar to your own.



**The National Society of Black Engineers** aims to increase the number of black engineers who excel academically, succeed professionally and contribute to the community. You'll hear from engineering professionals, attend national conferences and join in community service projects as a member of this group.

**The Society of Hispanic Professional Engineers** works to increase the number of Hispanic engineering, math and science students and to promote their advancement. As a member of this group, you'll take part in University and industry programs designed to encourage professional and personal growth.

**The Society of Women Engineers (SWE)** is a national professional organization created to help women achieve their full potential in careers as engineers and leaders. As a member of this student organization, you'll benefit from social and educational opportunities while helping to introduce youngsters to engineering using fun, hands-on projects.



"I love this group because we're a really tight-knit family, living out NSBE's mission by tutoring local youth, recruiting high school students, and fostering academic and professional development."

**Brandi Drew, mechanical engineering**  
The National Society of Black Engineers



## Campus Involvement

**The Engineering Ambassadors** is a student group organized to develop leadership, communication and interpersonal skills among its members while representing the College of Engineering. You'll help spread the word about Mizzou engineering and its great opportunities as part of this group.

**The Mizzou Engineering Student Council** takes a student perspective on CoE programs and events. While playing an active role on the council, you'll help run some notable college activities — including the annual Dean's Forum, Freshman Welcome BBQ and High School Weekend events.

**The St. Pat's Board/Engineers' Club** is a student-run organization that plans E-Week festivities in a 103-year-old tradition honoring St. Patrick. You'll help plan the campuswide party as a member of this organization.




"I like telling people how great school is and why I like going here — and why they should, too."

**Ryan Goetz, civil engineering  
Engineering Ambassadors**





# Honors Societies

 **Tau Beta Pi** is a collegewide honors society that recognizes distinguished scholarship and exemplary character in all engineering disciplines.

**Alpha Epsilon** is an honors society for biological and agricultural engineers that recognizes worthy qualities of character, scholarship and professional attainment.

**Alpha Pi Mu** is an honors society for industrial engineers that recognizes exceptional academic abilities and promotes the professional development and welfare of its members.



**Chi Epsilon** is an honors society for civil engineers that recognizes and fosters the development of skills and character traits considered essential to the successful pursuit of an engineering career.

**Eta Kappa Nu** is an honors society for electrical and computer engineers that recognizes exceptional character and academic accomplishments.

**Omega Chi Epsilon** is an honors society for chemical engineers that recognizes excellence and promotes professionalism in the field.

“Tau Beta Pi is an honors organization that is really involved in the community. Everyone in the organization has similar goals, and it’s a wonderful opportunity to get involved in the College of Engineering.”

Jennifer Boughton, biological engineering with a business minor  
Tau Beta Pi



## Honors Societies

**Pi Tau Sigma** is an honors society for mechanical engineers that encourages and recognizes superior scholarship.

**Upsilon Pi Epsilon** is an honors society for computer science students that recognizes academic excellence and encourages individual contributions to society as a whole.

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