September 12
2 pm - 4 pm
Please bring your WISCcard!

Hosted By:
WISCONSIN ENGINEERING STUDENT COUNCIL (WESC)

Table of Contents

01 - 03 Discipline Based Organizations
04 - 06 Competition Teams
07 Service Organizations
08 - 10 Special Interest Organizations
11 Identity Based Organizations
12 Honor Societies
13 Greek Life
14 Other

(NOTE: Not all organizations may be at this event)
Discipline Based Organizations

American Institute of Aeronautics & Astronautics is a collection of various undergraduate teams participating in high power rocketry and robotics competitions. Stop by to learn about spring break trips, social events and more.

American Institute of Chemical Engineers is a national professional chemical engineering organization that provides chemical engineers with news from industry and research as well as a forum to gather members together.

American Nuclear Society brings students together to network with professionals, share research, and meet other students. We also take part in tours of local companies in industry and have guest speakers regularly.

American Society of Civil Engineers supplements students’ coursework with professional engineering experiences and promotes fellowship among students in the Civil and Environmental Engineering department.

American Society of Mechanical Engineers mission is to build social, professional, and academic connections for mechanical engineering students as well as to develop soft skills that will be valuable in future career endeavors.

Biomedical Engineering Society provides opportunities for membership development for biomedical engineers in several major areas: academic, personal, professional, outreach and social.

Geological Engineering Student Chapter provides a way for students interested in geology and engineering to explore both fields, interact with fellow students, and develop professionally.

Human Factors and Ergonomics Society’s mission is to promote the discovery and exchange of knowledge concerning the characteristics of human beings that are applicable to the design of systems and devices of all kinds.

Institute of Electrical & Electronic Engineers is a professional organization for those interested in the fields of electronics and computer sciences. We host Tech Talks, electronics projects, and social events.
Institute of Industrial and Systems Engineers is a student-run organization that is dedicated to the professional, educational, and social development of future industrial engineers.

Institute of Transportation Engineers is a group of students who are from different disciplines and educational backgrounds but have a common interest in transportation.

Materials Advantage/American Foundry Society provides students with access to a wide variety of metalworking resources, including scholarships and grants, career development, and technical informal.

Society of Manufacturing Engineers is a society organized by students who are interested in manufacturing engineering.

Society of Plastics Engineers Student Chapter provides the opportunity to learn about cutting-edge technology relating to plastics, plastics processing, and computer simulation.

BadgerLoop provides members with an unparalleled learning environment to work on real-world problems in a pseudo-startup setting, expanding students' education outside of the classroom. Enthusiastic to make the Hyperloop concept a reality through innovation.

Baja SAE competition presents a wide range of opportunities for collegiate teams to create an alternative to the common ATV. In the course of innovations in each of the subsystems, Wisconsin Baja has created a safe, affordable, and innovative alternative to the ATV.

Clean Snowmobile Team IC & ZE - SAE modifies snowmobiles to be cleaner, quieter, and more efficient - and also loves to rip sleds in their off-time.

Concrete Canoe Club designs and constructs a canoe out of concrete. They provide a fun atmosphere for applying engineering principles from the classroom, while learning important team and project management skills.
**Formula SAE**, also known as Wisconsin Racing, competes in an international collegiate competition where students analyze, design, build, and compete with a small-scale open wheel prototype race car.

**Formula SAE Electric**, also known as Wisconsin Racing, competes in an international collegiate competition where students analyze, design, build, and compete with a small-scale open wheel prototype race car.

The **Human Powered Vehicle team** supplements what is taught in the classroom with hands-on experience. This team provides an opportunity to build technical skills in designing, manufacturing, and testing products within a team setting.

The **Steel Bridge Team** is a competition team that designs, fabricates, and competes with a one tenth scale bridge that can hold over 2500 pounds. The team provide students of any level of knowledge hands on experience in solving complex engineering design problems.

**Wisconsin Autonomous** is a student organization at UW-Madison dedicated to the research and development of self-driving vehicles. Through collaboration with industry sponsors, the organization competes in two national and international competitions.

**Wisconsin Robotics** designs, tests, and implements autonomous and remotely-operated robots for international competitions and practical applications.

**Wisconsin Space Race** is the first undergraduate team to work exclusively on designing, manufacturing, and testing of liquid propellant rockets. They compete in the Dollar Per Foot challenge hosted by Friends of Amateur Rocketry.

**WiscWind** designs and constructs wind-driven power systems to supply electricity to non-grid connected devices for off-grid applications. They focus on effective electrical and electronic design of the wind turbine for efficient and safe control of the device.
Service Organizations

**Engineering EXPO** is a group of students dedicated to successfully planning Engineering Exposition in April, 2021. Our goal is to carry out this outreach event in order to benefit and educate the community on all things related to the engineering field, by inspiring innovation and ingenuity in the minds of future generations.

**Engineering World Health** is devoted to improving the state of world healthcare through repairing medical equipment, designing and implementing devices that promote higher standards of living, and educating students and medical workers on how they can better operate and fix equipment.

**Engineers Without Borders** UW-Madison is a volunteer organization that builds a better world through engineering projects that empower communities to meet their basic needs and equips global leaders to solve the world’s most pressing challenges.

Special Interest Organizations

**American Society of Heating, Refrigeration, and Air Conditioning Engineers** explores the engineering industry of heating, ventilation, air-conditioning, and refrigeration. It strives to support sustainability and connect members with professionals in this area.

The **Badger Amateur Radio Society** (W9YT) has been on campus since 1930 and has strived to be at the forefront of radio technology. The club has helped countless members obtain a license and improve their amateur radio skills.

The **Badger Rail Road Society** attempts to learn and advocate for the building of high-speed intercity transportation by focusing on not only the engineering, but also on the business, economic and societal benefits of high-speed inter-city transportation.

**Construction Club** is a platform for making lasting industry connections, eating good food, and landing the best internships the industry has to offer. The Construction Club fosters contacts between UW-Madison engineering students and the design and construction industry.
**Environmental Engineering Club** provides a platform for students interested in the field of Environmental Engineering to learn more about careers, network with professionals, and get to know each other through on and off campus events.

ESW completes projects centered around sustainability to gain experience working with a team, researching, designing, and using engineering skills to help build a sustainable world for current and future generations.

Enlight programs and maintains the Máquina fountain on the UW-Madison campus. We also work on other hardware and software projects to expand and apply our knowledge. We welcome engineers of any skill level to help contribute!

**Material Ethics Club** is focused on ethical considerations that engineers should be cognizant of in the field of materials science and engineering, in order to improve the lives of our communities.

**Transcend** is a student organization focused on providing invaluable resources and opportunities to students on campus who are interested in creating their own ventures.

The **Wisconsin Engineer Magazine** was first published in June of 1896. It was one of the original five magazines to join Engineering College Magazines Associated (ECMA). The Wisconsin Engineer is published four times a year by and for the students at the University of Wisconsin-Madison.

**EBE** provides engineering students the opportunity to apply the skills they have learned in their broad range of classes to work together in diverse teams and design, prototype, and market unique inventions/innovations.

**Enlight** programs and maintains the Máquina fountain on the UW-Madison campus. We also work on other hardware and software projects to expand and apply our knowledge. We welcome engineers of any skill level to help contribute!

**Insight Wisconsin** attempts to showcase the innovative potential of undergraduates, proving the necessity of interdisciplinary, project-based learning in our education system, while bringing together students from all colleges to foster meaningful collaboration and unity.

**Material Ethics Club** is focused on ethical considerations that engineers should be cognizant of in the field of materials science and engineering, in order to improve the lives of our communities.

**Transcend** is a student organization focused on providing invaluable resources and opportunities to students on campus who are interested in creating their own ventures.

The **Wisconsin Engineer Magazine** was first published in June of 1896. It was one of the original five magazines to join Engineering College Magazines Associated (ECMA). The Wisconsin Engineer is published four times a year by and for the students at the University of Wisconsin-Madison.

**EBE** provides engineering students the opportunity to apply the skills they have learned in their broad range of classes to work together in diverse teams and design, prototype, and market unique inventions/innovations.
Identity-Based Organization

Queer and Trans Engineers is a student organization functioning to support and provide a place for engineering students who identify as LGBTQIA+. We strive to support queer engineering students through society, education and advocacy.

Society of Hispanic Professional Engineers is brought together by heritage, social responsibility, and desires to improve the equality of all people through the use of science and technology. SHPE values excellence in education, professional pursuits, and leadership.

The National Society of Black Engineers is determined to increase the number of culturally responsible Black Engineers who excel academically, succeed professionally, and positively impact the community.

Society of Women Engineers stimulates women to achieve full potential in careers as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, and demonstrate the value of diversity.

Honors Societies

Pi Tau Sigma is an international honor society featuring the top juniors and seniors in mechanical engineering designed to foster high ideals in the engineering profession.

Tau Beta Pi stands on three pillars: relevant volunteerism, professional development, and liberal culture. Membership requires the demonstration of distinguished scholarship and exemplary character.
**Greek Life**

**Alpha Omega Epsilon** is a professional and social national sorority, founded in 1983, to promote friendship, leadership, and professionalism, and the profession. The Omicron chapter at UW-Madison is a community that strives to support women in the fields of engineering and technical science. Charted in 2004 and operate on three pillars: philanthropy, professionalism, and sisterhood.

**Theta Tau** is a professional co-ed engineering fraternity on campus that focuses on creating a strong brotherhood between its members and maintaining a healthy balance between their social, service, and professional activities.

**Triangle Fraternity** is a social fraternity exclusively for engineers, architects and scientists. Its purpose is to develop balanced men who cultivate lives of high moral character, foster lifelong friendships and lead lives of integrity.

---

**Other**

**The Wisconsin Engineering Student Council (WESC)** serves as the voice and representation of all engineering students at the University of Wisconsin-Madison. This is enacted by facilitating events, hosting listening sessions, and advocating for the overall student experience within the College of Engineering.