Student Organizations

Association for Computing Machinery (ACM)
The Association for Computing Machinery at the University of Kentucky is an educational and scientific computing society that gives fellow students resources to advance as a science and as a profession. ACM also serves to build collaborative relationships for computer science and assist them in achieving their career goals. ACM team competes in several national and international programming competitions, including a recent one in Harbin, China.

American Institute of Aeronautics and Astronautics (AIAA)
The AIAA chapter is the aerospace-related organization within the College of Engineering. Because the engineering design of an aircraft involves all disciplines, AIAA reaches out to all engineers. Some common activities include networking, industry talks, and industry trips. Members of AIAA are also highly involved with several undergraduate aerospace courses on campus. AIAA also holds a monthly newsletter. Membership includes a year-long subscription to Aerospace America.

American Institute of Chemical Engineers (AIChE)
The AIChE chapter serves as a professional networking community for engineering students and professionals. As a member, you can access information on professional society events, career development, and the engineering process and methods. AIChE provides resources to help you move forward professionally and enrich the world we live in. AIChE holds regular meetings highlighting various speakers and seminars from industry and academia. The organization participates in various plant tours and annual fundraisers, as well as attending regional and national conferences where students have the opportunity to present their research and compete in the ChemE Car competition.

American Society of Civil Engineers (ASCE)
The UK Chapter of ASCE provides emerging civil engineering students with many opportunities to network with other civil engineering students, civil engineering faculty, and professionals. ASCE helps students prepare for graduation, interested in the employment process, and helps students network with professionals. Activities include holding monthly meetings, inviting guest speakers, and attending conferences. The purposes of ASCE are broad and include heading regional chapters for graduate students in our discipline. Membership is limited to those pursuing or interested in pursuing graduate degrees in civil engineering.

American Society of Mechanical Engineers (ASME)
We provide several events for mechanical engineering students to grow educationally and professionally. Some of our events include guest speakers from industry, field trips to manufacturing and tours of local engineering plants and businesses. The college also participates in the ASME design competition through student senior design projects. ASME is a great opportunity to network with other mechanical engineering professionals. We hope to see you at some events.

Big Blue Baja Car Team
The Big Blue Baja Car Team is located at the College of Engineering’s Extended Campus Program in Paducah. Students who participate in this project design and build a vehicle that will survive the continuous punishment of rough terrain and sometimes even water. Students are also challenged to test their manufacturing, manufacturing skills when introducing a new product to the consumer industrial market. Finally, students race their cars of the annual SAE Collegiate Design Competition against hundreds of teams from around the world. For the past four years the Baja team has successfully participated in the SAE Baja competition and has placed fifth of all schools worldwide. The Baja team members have participated in leadership and design recognitions at various occasions.

Biological and Agricultural Engineering Student Branch (BAE SB)
The BAE Student Branch is an excellent opportunity to work in an agricultural engineering department and helps them to develop outside of the classroom. The BAE Student Chapter at the University of Kentucky does the BAE Student Branch give essential leadership skills needed for the real world, but it also encourages a great team-building atmosphere. Moreover, you have opportunities from industry and agriculture. The BAE Student Chapter also provides opportunities to future students, faculty/students, and opportunities to participate in both biophysical and agricultural sciences. It is also closely associated with the UK Quarter-Scale Tractor Team.

Biomedical Engineering Society (BMES)
The Biomedical Engineering Society is open to all students majoring in biomedical engineering or any related discipline. It is the official student society at the University of Kentucky. The purpose of the local student branch is to help students expand their education by providing resources for professional society events and related fields. The BMES national student branch is here to provide a competitive edge in the fields of biomedical engineering.

Chemical and Materials Engineering Graduate Student Association (CMEGA)
CMEGA is the active student organization for graduate students in chemical and materials engineering. We enhance the graduate school experience for our diverse membership through social activities, intellectual engagement, and faculty-student interaction. We actively participate in national and international conferences, as well as participating and hosting regional conferences for graduate students in our discipline. Membership is limited to those pursuing or interested in pursuing graduate degrees in chemical and materials engineering.

Chemical and Materials Engineering Graduate Student Association (CMEGA)
The Engineering Ambassadors Program is designed to enhance and expand student representation in societies and organizations. Ambassadors are involved in initiatives involving alumni, development, and legislative efforts, as well as coordinating with prospective students, alumni, donors, industry professionals and legislators to provide information about the student experience. They also help with public relations and contribute to the College’s marketing efforts. The Engineering Ambassadors are selected through an interview process after being nominated by faculty. The Engineering Ambassadors must be enrolled full time in the College of Engineering and have completed no fewer than three academic semesters at UK. An accumulated GPA of 2.8 or higher is required.

Engineering Student Council (ESC)
The Engineering Student Council is the governing body of the student organization of engineering students. It serves as a coordinating body for the student groups and gives students a voice to address the College administration through representative student organizations of the various organizations. One of the primary goals of the council is to encourage the participation of engineering students in organized activities in the College and at the council level. The council organizes the Freshmen Welcome for incoming students each year and helps plan Engineers Week activities, which culminate on Engineers Day on the last Saturday of February each year.

Engineers Without Borders (EWB)
The Engineers Without Borders is a non-profit organization that partners with local neighborhoods to use engineering skills and efficient design to help people around the world. The EWB team consists of students from different disciplines and engineering backgrounds. Our goal is to develop sustainable solutions to local problems for a variety of non-profit organizations. Members of EWB hold an opportunity to gain valuable experiences in leadership, technical skills, and team work. EWB team members come from various backgrounds and have a passion for using their skills to make a difference in the world.

Institute of Transportation Engineers (ITE)
The Institute of Transportation Engineers (ITE) strives to provide a memorable college experience here at the University of Kentucky through a varying degree of society activities, such as the robot, student paper and ethics competitions, listen to technical speakers and attend social events.

International Society of Pharmaceutical Engineers (ISPE)
The ISPE chapter is the local student organization within the College of Science and manufacturing professionals. As a member of ISPE, you join others to shape your skills, help build a career, define best practices and have the opportunity to attend various ISPE chapter events and other ISPE chapter events. We have also participated in a Student Training Conference for Pharmaceutical Practices held at Eli-Lilly’s training facility in Indianapolis, Ind.

Institute of Transportation Engineers (ITE)
The main purposes of ITE at UK are to introduce undergraduate students to the field of transportation engineering, serve as a networking system for graduate students looking for professional positions within the field of transportation engineering entails. ITE meets these goals by providing discussions related to the many aspects of transportation engineering. Becoming a member is easy. Just come to a meeting and fill out an application form.

Material Advantage (MA)
Material Advantage is the student organization for four professional materials societies: the American Ceramic Society (CAS), The American Society for Metals (ASM), Institute of Iron and Steel Technology (AIST), ASM International and the Minerals, Metals and Materials Society (TMS). MA promotes interaction with local professional chapters to expose students to all aspects of materials engineering including industry, academic and government research.

National Society of Black Engineers (NSBE)
NSBE is dedicated to the academic and professional success of African-American, Hispanic and Black students. NSBE offers its members leadership training, professional development, mentoring opportunities, career placement services and more. NSBE is comprised of national, regional, chapter and local chapters and has over 100,000 collegiate and professional members nationwide and overseas. With its unique characteristics, NSBE has accumulated a steady record of advancement for black engineering students than any other organization in the world.

National Society of Black Engineers (NSBE)
Phi Sigma Rho (ΦΣΡ)
PhI Sigma Rho is a social society for women in engineering and technical science majors. We develop life-long friendships and support each other in our goal to be strong, intelligent women in a man-dominated field. We are open to all students who are female and have completed no fewer than three academic semesters at UK. Our student chapter of ΦΣΡ offers an array of resources and benefits for students interested in pursuing a career in engineering. At UK, the national chapter holds meetings on a weekly basis in a major lecture hall. Our organization conducts field trips with local industries, offers scholarships and awards, and presents an annual scholarship for students. Membership in our chapter provides students with opportunities to volunteer, mentor and travel the world. Regardless of your major, EWB will find a place for you. Just contact us!

Society for Manufacturing Engineers (SME)
The Society of Manufacturing Engineers is the world’s leading professional society advancing manufacturing knowledge and influencing more than half a million manufacturing practitioners annually. SME includes approximately 65,000 members, with more than 240 student chapters. The UK student chapter of SME offers a variety of resources and benefits for students interested in pursuing a career in manufacturing. At UK, the chapter hosts monthly meetings where we discuss the technical and professional aspects of the field. The chapter also encourages students to participate in various activities sponsored by our organization.

Society of Mining, Metallurgy and Exploration (SME)
The Society of Mining, Metallurgy and Exploration is a professional society with members from more than 100 countries worldwide. The purpose of the society is to promote the development of the mining, metallurgical, and related industries and associated sciences and arts. The Society of Mining, Metallurgy and Exploration is a non-profit organization that partners with a Third World community to use engineering skills and efficient design to help people in the Third World. The purpose of the local student branch is to help students engage in meaningful engineering projects that will make a difference in the world.

Talb Tau Beta Phi (ΤΒΦ)
Talb Tau Beta Phi is the honor society for all disciplines in engineering and computer science. Founded in 1889 at Lehigh University, Tau Beta Pi is now the largest technical society in the world with over 500,000 initiated members. Membership in Tau Beta Pi for engineering and computer science students is the equivalent of membership in Phi Beta Kappa for students in the liberal arts. Membership is by invitation only and is limited to the upper fifth of College of Engineering juniors and the top fifth of seniors. There is also a requirement for all members to be of exemplary character. The UK chapter of Tau Beta Pi hosts Monte Carlo Night, the first Lego League invitational tournament on E-Day, the personal financial workshop Engineering Futures and the College of Engineering Awards Banquet.
Other Degree Options

SEAM Program
The Scholars in Engineering and Management (SEAM) program is a selective honors program for business and engineering students who seek to develop a comprehensive understanding of the modern business world and technological developments that drive the global economy. Students are selected on the basis of academic achievement and leadership potential.

Contact
Lindell Ormsbee • (859) 257-1299 • lormsbee@engr.uky.edu

Biopharmaceutical Engineering Certificate Program
The biopharmaceutical engineering track is a joint effort between the University of Kentucky and the University of Cincinnati. It is designed to prepare students for careers in the biopharmaceutical industry.

Contact
Fazleena Badurdeen • (859) 257-6262 ext. 436 • fbadurdeen@mfg.uky.edu

Power and Energy Certificate Program
The Power and Energy Institute of Kentucky (PEIK) offers a certificate program in power and energy, which is designed to provide students with the skills and knowledge needed to enter the power and energy industry.

Contact
Thomas Dziubla • (859) 523-5827 • dziubla@engr.uky.edu

Environmental Certificate Program
The environmental certificate program is an interdisciplinary program that provides a focus and basis for undergraduate engineering students interested in environmental issues.

Contact
Larry Holloway • (859) 323-8523 • Holloway@engr.uky.edu

Aerospace Certificate Program
An aerospace certificate option is available in mechanical engineering to document student achievement in the aerospace discipline. To receive an Aerospace Engineering Certificate, students must complete a minimum of 12 credit hours, which include four required courses (12 hours) in aerospace engineering.

Contact
Monica Mahanna • (859) 257-3341 • mahanma@engr.uky.edu

Lean Manufacturing Certificate Program
The Lean Systems Program teaches how to improve manufacturing systems and business operations by applying Lean principles. Students will take two core courses: MFS503 Lean Manufacturing Principles and Practices, and MFS526 Operations Management in Lean.

Contact
Paulina Badurdeen • (859) 257-6262 ext. 436 • pbadurdeen@mfg.uky.edu

BS/MS Dual Degree Program
In the 21st-century business world, many engineers lead others and need to better understand the business environment they’re managing. The College of Engineering, in partnership with UK’s Gatton College of Business and Economics, offers an integrated program that lets you earn both a Bachelor of Science and Master of Business Administration degree in five years, including a 6-week international study component.

Contact
Maloney • (859) 257-3326 • Maloney@engr.uky.edu

University Scholars Programs
The University Scholars Program offers students the opportunity to integrate their undergraduate and graduate education, combining course work in both an undergraduate and graduate degree.

Contact
Shaver Engineering Library

Applicants should have completed at least 90 credit hours of work toward their undergraduate degree. A three-hour introductory course in environmental engineering is required along with three hours of organic chemistry or environmental microbiology. In addition, 12 hours of environment-related engineering electives, three hours which must be outside of your selected emphasis area.

Contact
Sudheesh Suresh • (859) 257-6336 x 80683 • ssuresh@engr.uky.edu

Great Opportunities