

# 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 computing as a science and as a profession. ACM also strives to build a community of students who share the same passion for computer science and assist them in achieving their career goals. ACM teams compete in international programming competitions, including a recent one in Harbin, China.

## American Institute of Aeronautics and Astronautics (AIAA)

AIAA 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 astronomy nights, industry speakers and industry trips. Members of AIAA are also highly involved with several undergraduate aerospace projects on campus including BIG BLUE, Design-Build-Fly and KySat. Membership includes a year-long subscription to Aerospace America.

## American Institute of Chemical Engineers (AIChE)

AIChE is the world’s leading organization for chemical engineering students and professionals. As a member, you can access information on recognized and promising chemical engineering processes and methods. AIChE provides resources to help you move forward professionally and enrich the world we live in. At UK, the chapter holds regular meetings featuring 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 civil engineering professionals. The group helps students prepare for post-graduation with a civil-specific career fair and provides service opportunities such as helping on Habitat for Humanity projects. Other activities involve applying classroom topics and working with other students on projects such as the concrete canoe, steel bridge and wastewater treatment miniplant. There are also social activities planned just for ASCE members such as tailgating at Keeneland and UK football games.

## 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 with roles ranging from design to manufacturing and tours of local engineering plants and businesses. The college also participates yearly in the ASME design competition through student senior design projects. ASME is a great opportunity to network with other engineers in your profession. 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 an off-road vehicle that will survive the severe punishment of rough terrain and sometimes even water. Students are also challenged to deal with planning and manufacturing tasks found when introducing a new product to the consumer industrial market. Finally, students race the car in 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 competitions held at various locations and the Baja team members have won numerous leadership and design recognitions at various occasions.

## Biosystems and Agricultural Engineering Student Branch (BAE SB)

The BAE Student Branch gives students a voice in the biosystems and agricultural engineering department and helps them to develop outside of the classroom into a person capable of leading a group of people. Not only does the BAE Student Branch give essential leadership skills needed for the real world, but it also encourages a great team-building atmosphere. Whether you work closely with faculty advisers or meet professionals in the field of BAE, involvement in the Student Branch creates a well-rounded student. The BAE Student Branch features monthly meetings with guest speakers, faculty/student picnics and opportunities to participate in both the regional student rallies and international meetings. It is also closely associated with the UK Quarter-Scale Tractor Team.

## Biomedical Engineering Society (BMES)

BMES promotes and enhances biomedical engineering knowledge on campus, the surrounding community and nationwide in order to promote

its utilization for the health and wellbeing of humanity. The biomedical engineering program at UK is only a graduate program right now, but the society is open to undergraduate engineering majors who are interested in becoming biomedical engineers and to those who want to learn more about the field. BMES participates in E-Day and various other UK events. Each year, it plans to complete a service project and host an open house. As a member of UK BMES, you can become a member of the national organization which provides a career network and job opportunities. You will have access to some of the leading journals in the field and receive the national newsletter. An annual conference is also held, as well as smaller conferences and events around the country.

## Chi Epsilon (XE)

Chi Epsilon is a national civil engineering honor society open to juniors, seniors and graduate students. Eligibility is based on class ranking as well as GPA. Invitations to join Chi Epsilon are extended to all qualified students each semester. Each student must complete the initiation process and pay a one-time fee that provides lifetime membership into this prestigious society. The UK chapter currently has twenty-five members and because the chapter is small, each member has a good chance at holding an officer position. The members of the UK chapter also partake in several activities each year including social events, tutoring and teaming up with other student organizations for service projects. Chi Epsilon is also responsible for the Popsicle stick bridge competition for E-Day each spring. Chi Epsilon members are provided with scholarship opportunities awarded by the national Chi Epsilon organization ranging from \$1,000 to \$3,000.

## Chemical and Materials Engineering Graduate Student Association (CMEGSA)

CMEGSA is the active 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 even hosting regional conferences for graduate students in our discipline. Membership is generally limited to those pursuing or interested in pursuing graduate studies in the CME department, but we encourage all College of Engineering students to participate in various activities sponsored by our organization.

## Engineering Ambassadors

The Engineering Ambassadors Program is designed to enhance and expand student representation in College of Engineering activities. Ambassadors are involved in initiatives involving alumni, development and legislative efforts. Ambassadors interact with prospective students, alumni, donors, industry professionals and legislators to provide information about the student experience. They also help with public relations and give a positive impression of the UK College of Engineering at events. Engineering Ambassadors are selected through an interview process after being nominated by a faculty or staff member. They 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 consists of representatives from all official College of Engineering student organizations. It serves as a coordinating body for the student groups and gives students a voice to address the College administration through representatives selected by the various organizations. One of the primary goals of the council is to encourage the development of student leaders both at the student organization level 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)

Engineers Without Borders is a non-profit organization that partners with a Third World community to use engineering skills to design efficient and sustainable projects. Student chapters consist of all UK majors (not just engineers) working together to design a project needed by a Third World community. Members raise funds to cover the costs of the project and implement the project in the community along with the help of local residents. UK’s chapter offers a great opportunity to change people’s lives in a positive way, learn new cultures and talents and travel the world. Regardless of your major, EWB will find a place for you. Just contact us!

## Institute of Electrical and Electronics Engineers (IEEE)

From IEEE’s Mission Statement: “IEEE’s core purpose is to foster technological innovation and excellence for the benefit of humanity.” The

purpose of the local student branch is to help electrical and computer engineering students connect with one another and to allow all students to connect with professionals in electrical engineering and related fields. The IEEE student branch holds social and technical meetings throughout each semester to engage students. UK’s IEEE student branch also travels to SoutheastCon every year, where students compete in various competitions (such as the robot, student paper and ethics competitions), listen to technical speakers and attend social events.

## International Society of Pharmaceutical Engineers (ISPE)

ISPE is the world’s largest not-for-profit society serving pharmaceutical science and manufacturing professionals. As a member of ISPE, you join others to sharpen your skills, help build a career, define best practices and interact with regulators. Some of our activities throughout the year include plant tours, national and regional leadership conferences, E-Day participation and social events with other ISPE chapters. 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 and provide all students with an idea of what 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. Your first year as a student is free!

## Kentucky Society of Professional Engineers (KSPE)

KSPE brings together all types of engineers for a multitude of activities, volunteer opportunities, social events and guest speakers from the industry. Some events include Habitat for Humanity, E-Day and Future Cities. KSPE also provides the College of Engineering with free *FE Reviews* each semester.

## Materials Advantage (MA)

Material Advantage is the student organization for four professional materials societies: the American Ceramics Society (ACerS), Association for Iron and Steel Technology (AIST), ASM International and the Minerals, Metals and Materials Society (TMS). Kentucky’s student chapter works with local professional chapters to expose students to all aspects of materials engineering including industry, academia and government research.

## National Society of Black Engineers (NSBE)

NSBE is dedicated to the academic and professional success of African-American engineering students and professionals. NSBE offers its members leadership training, professional development, mentoring opportunities, career placement services and more! NSBE is comprised of more than 300 collegiate, 75 professional and 75 pre-college chapters nationwide and overseas. With its unique characteristics, NSBE has accomplished more for black engineering students than any other organization in the world.

## Phi Sigma Rho (ΦΣΡ)

Phi Sigma Rho is social sorority 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 male-dominated field. We participate in philanthropy events throughout the year, including our annual Bowl-A-Thon. Phi Sigma Rho combines the best aspects of a social sorority, while placing academics as a top priority.

## Society of 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 holds meetings featuring various speakers from industry and academia. The organization conducts plant tours with local industries, offers scholarships and provides students with opportunities to attend regional conferences. SME provides information to students interested in pursuing careers in fields related to manufacturing. The annual membership fee is \$20 with a free magazine subscription.

## Society for Mining, Metallurgy and Exploration (SME)

The UK Norwood Student Chapter of SME is here to provide a bridge between students pursuing a career in mining engineering and employers

seeking well-educated graduates. In addition to this, the Norwood Student Chapter strives to provide a memorable college experience here at the University of Kentucky through a varying degree of community service projects, field trips to mine sites and opportunities to encourage meaningful relationships among students that will last a lifetime.

## Society of Women Engineers (SWE)

The Society of Women Engineers is a national organization founded in 1950 with the mission to “stimulate 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.” Here at UK, SWE is the largest and strongest student organization in the College of Engineering. It offers a variety of activities and benefits for members, such as guest speakers, professional training at monthly meetings, leadership opportunities, scholarships, exciting Buddy Program events, travel to National and Regional conferences, networking opportunities and lifelong friends. As an organization, SWE sponsors the annual Engineering Career Fair, as well as the new SWE Bowl competition between student organizations. Membership fees are \$20 per year and anyone who is interested in becoming a part of SWE is welcome!

## Tau Beta Pi (TBr)

Tau Beta Pi is the honor society for all disciplines in engineering and computer science. Founded in 1885 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 eighth 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.

## Triangle

Triangle is a social fraternity that proudly embraces a purpose of “developing balanced men in the fields of engineering, architecture and science by providing an environment which fosters personal growth and professional success.” They are very active in the engineering and Greek communities, as well as the University in general. Triangle currently has four members on the Engineering Student Council. Although a social fraternity, Triangle is very serious about academics. If you are interested in finding out more about the fraternity, they would love to meet you.

## UK Quarter-Scale Tractor Team

The UK Quarter-Scale Tractor Team is closely associated with the BAE Student Branch. Each year the team designs and constructs a new quarter-scale pulling tractor. Then in May the team travels to Peoria, Ill., to compete against universities from all across North America and Canada. Teams are judged in four main categories: a written report, an oral presentation, design judging, performance (pulls) competition and maneuverability. UK has been a Top 6 competitor in this competition for the past 10 years. The team is made up of primarily BAE students, but students from other majors are encouraged to join.

## UK Solar Car Team

Being a part of the University of Kentucky’s Solar Car Team is an excellent way to get involved with hands-on engineering projects. We will be designing and building our next solar car to participate in internationally recognized racing events, the North American Solar Challenge and the World Solar Challenge. Students from all majors and any year are welcome to join the team. The Solar Car Team regularly holds meetings at the Solar Car Garage in the rear of the D.V. Terrell building, located behind the Funkhouser building and Ericson Hall, at 7:00 p.m. on Mondays and 12:00 p.m. on Saturdays. Don’t worry if you do not know anything about solar cars—everyone else on the team started in the same position. Being on the solar car team is a learning experience!

## Weightless Wildcats

The Weightless Wildcats is a student organization which has recently been revived after a few years of inactivity. This organization allows students to work together on a team to conduct actual NASA research in a weightless environment. Each year UK students compete with teams from colleges across the US for an opportunity to conduct research on NASA’s “Vomit Comet”. This C-9 aircraft, located in Houston, Texas, allows passengers to experience reduced gravity in 30-second intervals. The Weightless Wildcats is a growing organization which is composed of undergraduate students in any engineering major.

## Student Resources

### Freshman Advising

The College of Engineering freshman advising department ensures that entering freshmen receive individualized assessment and recommendations for their first academic year. The advisers evaluate each student's academic work prior to the scheduled freshman orientation and create appropriate first-semester schedules. During the initial orientation session, students are introduced to the College's requirements and expectations. Students benefit from the advisers' experience with

In addition to encouragement, the advisers also provide information about various facets of the College community which make adjustment to this new experience easier. The most used service the advisers provide is the art of unbiased and non-judgmental listening.

### Contact

Jane Riggs / Diane Freeman • (859) 257-1021 • jriggs@engr.uky.edu

www.uky.edu/future/undergraduate/advising.php

### Cooperative Education Program

UK engineering students have the opportunity to gain professional experience while full-time students. The optional Cooperative Education Program allows students to work full-time for three semesters, alternating with semesters of full-time academic work. Students usually start working after their sophomore year, and finish the rotations before their senior year. The program provides students with at least 12 months of work experience during their five years of engineering study.

Co-op salaries range from \$12 to \$28/hour. Employers use co-op in order to train and recruit students for full-time work after graduation. We work with over 70 different companies and agencies, such as GE Aviation, the National Security Agency, Turner Construction, Lexmark, BMW, Messer Construction, Marathon Petroleum, NASA, Jacobs Engineering, Ashland Inc., GE Consumer and Industry, Cerdyne, Mosaic and many others, small and large.

### Contact

Ilka Balik • ibalik@engr.uky.edu • (859) 257-4178

www.engr.uky.edu/coop

### Undergraduate Research Programs

UK engineers and computer scientists are passionate about improving the world around us. Classroom instruction provides our students with the theoretical knowledge to become successful. However, it is only one component of the overall education experience. To get a real a taste of what it is like to be an engineer or computer scientist, we offer the opportunity to apply fundamental concepts to real-world problems. In the College of Engineering, undergraduate faculty members develop products and process-edge research projects. Students who choose to participate in an undergraduate research experience work alongside faculty members developing products and process-ess to make society a better place.

**Contact** • Monica Mehanna • (859) 257-3341 • Mehanna@engr.uky.edu



# Get Involved

College is what you make of it

The College of Engineering provides a wide variety of people and programs to maximize your success as a student and help you make the most of your college experience. You will quickly find that there are many opportunities for personal, academic, financial, professional and social support.

With one of the most active student bodies on campus, the College of Engineering currently boasts nearly 30 different student organizations. Many of these groups are affiliates of national or international professional engineering societies, meaning that member students have an opportunity to network with colleagues in a variety of professional fields.

Remember, we are here to help you become the best engineer or computer scientist you can be!

### Shaver Engineering Library

The Shaver Engineering Library contains a research collection to support both undergraduate and graduate research in traditional engineering disciplines. The development of the library's collection of more than 120,000 volumes and over 650 journal subscriptions has been in direct response to the teaching and research needs of the College of Engineering and its academic departments. This collection includes books and periodicals; many of which are available electronically and accessible to UK students both on and off campus. The library was renovated in 2007 and provides a variety of spaces for both individual and group study. It also includes a computer lab which also serves as a training room for information literacy instruction. It is located on the third floor, 355 F. Paul Anderson Tower (FAT).

### Contact

Jennifer Eskew • (859) 257-4364 • eskew@uky.edu

www.uky.edu/libraries/serl

### Financial Aid

The College of Engineering awards merit- and need-based scholarships to incoming freshmen and transfer students as well as to students already enrolled in the College. Awards for all types of Engineering financial aid typically range from \$500-\$3,000 per year. Freshman scholarship applications are due January 15 and continuing student applications are due April 15. Awards are made for the upcoming academic year.

Each semester the College of Engineering also administers an honor loan program made possible through the Ellis Foundation. In order to be considered, applicants must be full-time engineering students with financial need who have graduated from a Kentucky high school and are Kentucky residents. Deadlines to apply for the fall and spring semesters are June 15 and Nov. 15, respectively.

### Contact

Christina Dillon • (859) 257-0569 • Christina.dillon@uky.edu

www.engr.uky.edu/scholarships

### Kentucky Space

The Space Systems Laboratory (SSL) is a world leader in access to space for small payloads. The SSL has achieved many aery aerospace firsts including the first deployment of a CubeSat satellite in a sub-orbital flight (SOCSEM), the first student built satellite launched by NASA (KyaSat-1) and the development of a new payload standard for the International Space Station (CubeLab). Hardware built by UK students will be carried on each of the final five space shuttle missions. The SSL maintains a clean room and testing facilities dedicated to flight qualifying spacecraft and a dedicated, secure, high-bandwidth voice and video facility that allows students 24/7 contact with NASA controllers and astronauts currently aboard the International Space Station.

### Contact

Jim Lump • (859) 257-3895 • jel@engr.uky.edu

www.kentuckyspace.com

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### German and Engineering Program

Through the German and Engineering Program, UK engineering students have the opportunity to gain experience working or studying in Germany. We support students interested in combining language classes with their engineering degree and offer summer courses and semester-long study abroad programs.

**Calculus III in Germany** — Every summer, the College takes a group of 10 to 15 students to Karlsruhe, Germany, for five weeks. Students take a Calculus III course taught by a UK math professor and visit engineering firms. Knowledge of German is not required.

**Semester-long study in Germany** — Students have the option of spending the spring and summer in Karlsruhe, Germany. While there, students usually aid a German faculty member with research at the Karlsruhe Institute of Technology and take a semester of classes as well. Knowledge of German is not required, but strongly encouraged.

**Work and language courses in Germany** — Students have the opportunity to work for a summer or semester with a German company through the College. Also, through the Division of Arts and Sciences, engineering students have the opportunity to take second or third year German outside of Munich over the summers.

### Contact

Ilka Balik • (859) 257-4178 • ibalik@engr.uky.edu

www.engr.uky.edu/programs/international/gp

G.T. Lineberry • (859) 257-2833 • Gtll@engr.uky.edu

### Contact

New College-administered programs are being added as demand grows, including summer education abroad program at China University of Mining and Technology in Xuzhou, China. In addition, the College periodically offers an international service learning program during the summer for students who desire to earn academic credit while applying engineering knowledge and principles to solve real-world problems in such exciting locales as Banda Aceh, Indonesia.

UK engineering students at Dundee University in Scotland; Full academic year programs at the University of Karlsruhe in Germany or in the Nagoya University Program of Academic and Cultural Exchange, engineering students at NITRI International University College in Malaysia, suitable for all lower-division majors, or a semester abroad for civil

### Contact

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## Other Degree Options

Applicants should have completed at least 90 credit hours of work toward the bachelor's degree, or be eligible for senior standing in the semester they are admitted to the program. The undergraduate grade point average must be at least a 3.5 in the applicant's major field and 3.2 overall. Application to the program should be submitted at the end of the student's junior year.

### Contact

Monica Mehanna • (859) 257-3341 • Mehanna@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 at the undergraduate level, students successfully complete a minimum of 18 credit hours, which include four required courses (12 hours) in gas dynamics, mechanical vibrations, systems engineering and a three-hour design course (aircraft/spacecraft design or senor design) with significant content involving a multidisciplinary team-based aerospace design project. Two optional courses (six hours) are selected from a list of technical electives including composite materials, combustion and aerodynamics, among others.

### Contact

Suzanne Smith • (859) 257-6336 x 80663 • ssmith@engr.uky.edu

### Biopharmaceutical Engineering Certificate Program

The biopharmaceutical engineering track is a joint effort between the University of Kentucky Colleges of Engineering and Pharmacy. The objective of this program is to diversify the knowledge base and the marketability of our chemical engineering graduates so that they can make significant contributions to the pharmaceutical industries. Students enrolled in this track will complete the full chemical engineering core curriculum with additional courses in pharmaceutical sciences, physiology, cell biology, biochemistry and good manufacturing practices. Enrollment is limited to chemical engineering students and students must have a minimum 3.3 GPA and have received a B-grade or better in CME 200. Student applications are accepted in the fall of the sophomore year.

### Contact

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

www.uky.edu/cme/undergraduate/biopharmaceutical-track.html

### 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. Students who complete the requirements receive formalized recognition of an emphasis in environmental issues in addition to

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 engineering major, are required. Generally, completion of the certificate requires minimal additional courses as many of the courses are either required by an engineering discipline or can be used as supportive or technical electives.

### Contact

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

### Lean Manufacturing Certificate Program

The Lean Systems Program teaches how to improve manufacturing systems and business operations by applying Lean principles. Lean principles, as originally developed by Toyota, require a rethinking of operations in order to enhance quality, lower cost, and improve responsiveness. These principles are applied to equipment, product design, process design and even organizational management. The program is coordinated through the Institute for Sustainable Manufacturing (ISM). Students interested in the program will take two core courses: MFS503 Lean Manufacturing Principles and Practices, and MFS526 Operations Management in Lean.

### Contact

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

www.lean.uky.edu

### Power and Energy Certificate Program

Provision of affordable, plentiful and reliable energy is essential to the health of the U.S. economy. Launched in 2010 with funding from the Department of Energy, the Power and Energy Institute of Kentucky (PEIK) aims to attract engineers to the field of power and energy and to provide them with the innovative education they will need to join the 21st century power engineering workforce. The power and energy certificate covers both conventional and emerging areas in power generation, including smart grid systems, distributed power generation, system protection, energy storage, solar power systems, biofuels and others. Students from electrical, mechanical, chemical, materials, biosystems or mining engineering may study for PEIK certificates at the undergraduate and graduate level.

### Contact

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

www.engr.uky.edu/power

### International Programs

## Great Opportunities

The College offers many international academic experiences encompassing all majors. Below is a partial list of opportunities. Please contact us for more information about possibilities for your specific major.

- Three-week focused programs, such as an intensive summer program at Nagoya University in Japan, best suited for upper-division mechanical, materials, chemical or electrical engineering major with an interest in automotive engineering;
- Semester-long study at NITRI International University College in Malaysia, suitable for all lower-division majors, or a semester abroad for civil engineering students at Dundee University in Scotland;
- Full academic year programs at the University of Karlsruhe in Germany or in the Nagoya University Program of Academic and Cultural Exchange, engineering students at NITRI International University College in Malaysia, suitable for all lower-division majors, or a semester abroad for civil

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www.kentuckyspace.com

www.uky.edu/programs/international

www.engr.uky.edu/scholarships

www.uky.edu/cme/undergraduate/biopharmaceutical-track.html

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