Get Engineering Experience

As the Spring semester starts and the weather is cold and snowy, it’s not too late to obtain an internship or research experience for the summer. In addition, there are study abroad summer programs offered.

Spending your summers doing an internship or getting research experience is an extremely valuable way to gain experience and set yourself apart from other engineering students. Even if you are unsure about what you want to do in the future, such an experience can help you figure that out.

To find out more about possible National Science Foundation funded research experiences for undergraduates (REU) opportunities check out www.nsf.gov/crssprgm/reu/.

The Engineering Career Development office offers career counseling services and resources for finding an internship. The Engineering Co-op Internship Fair will be March 5, 10 am - 2 pm. Specific internship opportunities for BAE students are sent out by email by Drs. Crofcheck and Modenbach.

If you would like to obtain BAE research experience within our department, talk to one of our professors to see if they have something available for you over the summer.

For study abroad options, check out www.engr.uky.edu/academics/international/.

It’s not too late to make summer plans to gain valuable engineering experience.

Scholarship Deadlines in April

Graduating soon?
Jan. 28: Engineering Resumania
Jan 28 & 30: VIP career Fair Prep Workshop

Scholarships from the College of Engineering are granted based on student’s overall GPA, writing ability, academic progress, and leadership potential. The application form can be found on the COE website under “Financial Aid” and “Current Student Scholarships”. The deadline is April 15, 2015 for the 2015-2016 academic year. Most scholarships range from $500-$5,000. You must have a minimum GPA of 3.0 and be a full time student to apply.

Applications are due April 15. For more information check out, www.engr.uky.edu/scholarships/current-student-scholarships/.

Scholarships from the College of Agriculture, Food and the Environment are between $500 and $2000, and most are awarded for one academic year. Students must apply in the spring of each year for continued support. Transfer students who plan to enroll in the fall are also eligible. Students receiving College Scholarships may also be required to attend the CAFE annual Scholarship Lunch-eon. You will be notified in early fall if your attendance is required. Applications are due April 1. For more information check out, www2.ca.uky.edu/academics/scholarships.

There are also some opportunities for scholarships from outside of UK, www.uky.edu/academy/competitive-awards.
**FE Exam**

The Fundamentals of Engineering (FE) exam is typically the first step in the process leading to PE licensure. It is designed for recent graduates and students who are close to finishing an undergraduate engineering degree. The FE is a computer-based exam that is administered year-round in testing windows at NCEES-approved Pearson VUE test centers.

The FE contains 110 multiple-choice questions. The exam appointment time is 6 hours long, which includes a nondisclosure agreement, tutorial (8 minutes), the exam (5 hours and 20 minutes), a scheduled break (25 minutes), and a brief survey.

Visit the National Council of Examiners for Engineering and Surveying (NCEES) website, [http://ncees.org/exams/fe-exam/](http://ncees.org/exams/fe-exam/), for directions on how to sign up for the FE.

The Kentucky Society of Professional Engineers chapter at UK offers study notes for each of the topics covered on the FE exam, [kspe.engineering.uky.edu/fe-reviews/](http://kspe.engineering.uky.edu/fe-reviews/).

**Get a Minor Too**

BAE majors have some “easy” options when considering a minor.

**Minor in Mathematics:** Students only need 6 additional hours of math. 3 of the hours must be from MA 322 (Matrix Algebra), and the other 3 hours must be from a course greater than MA 213.

**Minor in Physics:** Students only need 6 additional hours of physics courses. They must take PHY 228 (Optics, Relativity, and Thermal Physics), and PHY 361 (Principles of Modern Physics).

**Minor in Chemistry:** IF you are on the pre-med or pre-vet track, you can minor in chemistry if you take CHE 226 (Analytical Chemistry) and either CHE 440G (Physical Chemistry) or CHE 446G (Physical Chemistry for Engineers).

**Minor in Biology:** IF you take BIO 208 as your bioscience elective, by taking four additional classes (BIO 303, BIO 304, BIO 155, and BIO 2*), you will obtain a minor in Biology. For Pre-Med students this is only an additional 8 credits.

The BAE Student Branch always has a lot of great opportunities to get involved in the spring semester. There are meetings every other week with food, networking, and professional development (aka, free dinner, fun, and stuff you’ll be glad you learned). The BAE Student Branch also helps with representing the department at E-Day on February 28. It’s fun and several professors give extra credit for volunteering. The big fundraising event is in the spring, the Lawnmower Clinic. It’s a great opportunity to get hands-on experience, help raise money, get to know your fellow BAE students, and get free food. It’s a great semester to get involved!