

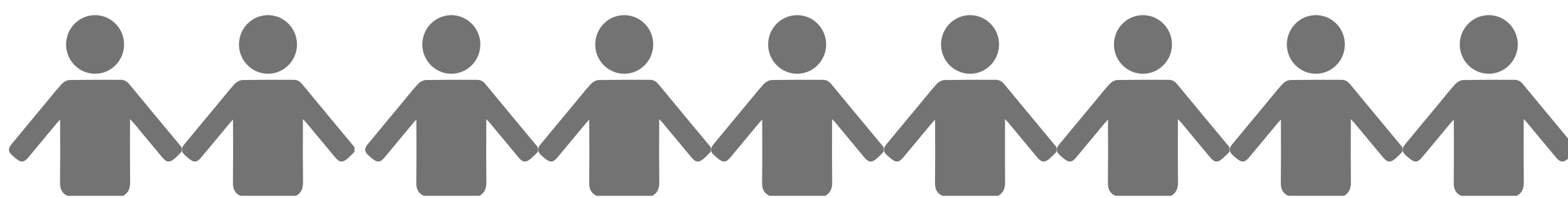
OGDEN COLLEGE OF SCIENCE & ENGINEERING

INTERNSHIP PROGRAM

EMPLOYER INFORMATION

Internships are an educational opportunity. An internship consists of services for experience between a student and an employer. It allows a student to receive hands-on and real-world experience in a particular career, help a student create a network of contacts, and in some cases receive course credit. Some interns find permanent employment with the organizations in which they worked upon completion of the internship.

OCSE by the numbers



3153 STUDENTS IN 23 ACADEMIC MAJORS

11 MINORS, 4 CERTIFICATE PROGRAMS

9 MASTER'S LEVEL PROGRAMS

488 HONORS STUDENTS



ORGANIZATIONS OFFERING INTERNSHIPS

Landscape Workshop, Eco-Tech Inc., Lock Farms, Kentucky Department of Agriculture, Texas Department of Agriculture, Sherwin Williams, Hill's Pet Nutrition, Astra Zeneca, Alltech, Kelly Family Dentist, Total Fitness Connection, Owensboro Health Regional Hospital, Berry Plastics, Valspar, Next Step, Irving Metals, Akins Construction, Scotty's Contracting and Stone, Reynolds American Inc., Churchill McGee, Indiana DOT, Exoterra Architect -Solutions, Barton Malow Constuction, Axiom Architecture, Messer Construction, Habitat for Humanity, Kirby Building Systems, Akins Contruction, Denham Blythe, Alpha, Valley Interior Systems, Lord Corporation, Spartan Metals, Emerson-Hermetic, Hatch Stamping, Trace Die Cast, General Motors-BG Corvette Assembly Plant, ProCom Heating, Heath Co, Holley Performance, New Mather Metal, Bendix Spicer Foundation Break, Constellium, Essity, Federal Mogul, GAP, Southern Recycling, Domtar, Bowling Green Municipal Utilities, Nashville Electric Service, Nolin RECC, Century Aluminum, LG & E and Kentucky Utilities, Henkel, Advanced Technical Services, Bell Brands, Vermont Thread Gague, Magna, Kobe Aluminum, Western Crane Service, J.M. Smuckers, Warren RECC, Stupp Bridge Company, Kerr-Gruelich, Granges Americas, C-Tech Controls, Sun Products Corp. Clorox, Glenmore Distillary, Froedge, Houchens Industries, Confer Plastics, U.S. Army Corp of Engineering, Land Design & Development, NASA Marshall Space Flight Center, Gonzalez and Sons, Van Meter & Slavey, Lockett & Farley, Vantage Engineering, Halton Company, Daicel Safety Systems America, Warren County Stormwater, Applied Physics Institute, SE Engineering, McGhee Engineering, Sumitomo Eletrical Wiring Systems, Fruit of the Loom, Universal Woods, City of Bowling Green, TRIMARC, The Medical Center, Logan Aluminum, Span Tech, Nemak, NASCO, Irving Materials Inc., Country Oven, Westrock, Lithko Contracting, Michelin



I began to apply the knowledge that I gained in school to real world problems, that weren't textbook homework assignments. I was challenged to work within deadlines with multiple projects and communicate professionally with others. I also began to understand the relationship between designing and fabricating in Solid Works and real-life parts, engineers and machinists

**Madeline Zaleski
Madison Smith Machine Tool.**

AGRICULTURE

The mission of the Agriculture Department at WKU is to prepare undergraduate and graduate students for careers in Agriculture and the Food industries via teaching, applied research and outreach. Our University Farm serves our students as a laboratory to deliver "hand-on" educational experiences. The Farm is 810 acres which includes a Grade A Dairy, a classroom-mechanics laboratory facility, horticulture facilities, a beef handling facility, university beef and horse herds, vineyards, hemp research plots, and crop acreage.

AREAS OF FOCUS: General Agriculture, Agribusiness, Agricultural Education, Agronomy, Animal Science, Horse Science, Horticulture, Turf and Golf Course Management, Pre-Veterinary, and Floral Design

BIOLOGY

The Department of Biology offers a transformative undergraduate and graduate education through hands-on, inquiry-based laboratories, research, and study abroad opportunities. Laboratory studies include, for example, investigations on cancer, hearing loss, nanotechnology, and population genetics. Undergraduate students may receive academic credit for their on or off campus experiential learning through Biology 369/399. We have a quality graduate program with thesis and non-thesis options. Through courses, research, student club involvement, and internships, our students are well-prepared for acceptance into professional programs, graduate school, or entering the work force. The learning opportunities afforded a WKU Biology major provide students with lifelong value as they pursue a career in the biological sciences or health care.

AREAS OF FOCUS: Biology, Biochemistry, Medical Lab Science, Molecular Biotechnology

CHEMISTRY

The Department of Chemistry provides an amazing array of educational and professional opportunities for undergraduate and graduate students. Nearly 40% of undergraduate majors are involved in meaningful research experiences, many of which lead to publications, at some point during their time as a student. The Department of Chemistry regularly sends two to eight graduating students to excellent Chemistry Ph.D. programs, while approximately half of BS graduates enroll into professional schools (medical, dental, & pharmacy) and go on to productive healthcare practices. The balance of students pursue chemical education, or they move directly to chemical industry upon graduation. Many of those who seek industry employment upon graduation have completed at least one semester of CHEM 369 (Co-op/Intern Experience in Chemistry) with one of our partners in local/regional industry. These students are a valuable resource for our partners who are able to leverage the high quality capacity of our students.

AREAS OF FOCUS: Chemistry/Biochemistry and Materials

GEOGRAPHY AND GEOLOGY

The Department of Geography and Geology strives to provide outstanding geoscience programs, with broad international connections, to meet the challenges of the Anthropocene (Human Geo-Environmental change). We aim to develop exceptional undergraduates and graduates in our major programs and in general education courses, to engage students in critical thinking and meaningful problem solving, and to encourage life-long learning. Our students are engaged in meaningful research, community engagement, and workforce development. Our department offers our students state-of-the-art analytical and computational labs, abundant field work, and study abroad opportunities around the world. The Department aspires to build a community of creative and critical thinkers, with local to global impact.

AREAS OF FOCUS: Geographic and Environmental Studies, Geographic Information Science, Geology, Earth Science, Meteorology

MATHEMATICS

The Department of Mathematics offer both graduate and undergraduate degrees, focusing on different potential career paths. Our programs emphasize sound instruction, abundant study support, and a fertile learning environment geared to engage inquiry, with the aim of enhancing student achievement and success in learning and applying mathematics.

AREAS OF FOCUS: Mathematics, Mathematics – Teaching Certifiable (Secondary), Mathematics – Teaching Certifiable (Middle Grades), Mathematical Economics (Actuarial Track and General)

PHYSICS AND ASTRONOMY

The WKU Department of Physics and Astronomy strives to foster a diverse international community of faculty, staff, and students through engaged learning and significant research, stimulating intellectual curiosity and critical thinking. Students are competent in instrument control software such as Labview, graphical analysis packages such as Igor Pro, word processing and data management software. They may also have experience with Mathematica, image processing software such as the Interactive Data Language (IDL) and/or sophisticated modeling software such as COMSOL Multiphysics Modeling Software. Undergraduate and graduate students are skilled in: working in teams, working with and understanding instrumentation, problem solving and critical thinking, proficiency with hardware and software, communicating complex ideas, analysis and quantitative thinking, and conducting research.

AREAS OF FOCUS: Physics, Astronomy, Biophysics, Homeland Security Science

PSYCHOLOGICAL SCIENCES

The Psychological Sciences major was designed specifically to meet the American Psychological Association's newest guidelines for the undergraduate major. The Psychological Sciences Department provides extensive independent research experiences for our students with our research active faculty. Students who major in Psychological Science develop many skills that help them in their future careers. Because psychology is the science of behavior, psychological science students learn a great deal about working effectively with other people, but they also learn to think logically and rationally. Understanding how people typically behave and the factors that influence behavior are an asset in most jobs. Other skills that undergraduate students in Psychological Science develop are critical thinking skills, working effectively in diverse organizations, and using and interpreting data.

AREAS OF FOCUS: Applied Psychological Science, Biobehavioral Psychology, Clinical Psychological Science, Cognitive Psychology, Developmental Science, Social Psychology, Neuroscience, Industrial/Organizational (I/O) Psychology

SCHOOL OF ENGINEERING AND APPLIED SCIENCES

The focus of the WKU School of Engineering and Applied Sciences (SEAS) is to educate students to be leaders in a changing technical landscape, to provide solutions to the problems facing the modern high tech society, and to provide a workforce to support the technological complexity of industry.

SEAS undergraduate and graduate programs are heavily focused on hands-on projects which allow students to experience an education that will be more similar to the real-life workforce. WKU SEAS students can quickly adapt and work efficiently in the actual workforce due to the student's experience of doing actual work while earning their degrees.

AREAS OF FOCUS: Architectural Science, Civil Engineering, Computer Information Technology, Computer Science, Construction Management, Electrical Engineering, Engineering Technology Management, Manufacturing Engineering Technology, Mechanical Engineering

How can OCSE help you find the prime candidate?

- Post open internships to the Handshake online recruiting system (see next page)
- Email Internship Coordinator to inform about posted jobs on Handshake
- Internship Coordinator meets with student regularly regarding their career interests and encourages applying for internships
- OCSE students are alerted through email, faculty, and social media when every internship is posted
- Employer received applicants resumes and decides which candidates to interview
- Employer determines time, date, and location of interviews
- Employer hires intern in same process as other part-time employees

What makes OCSE students unique?

Students in Ogden College of Science and Engineering benefit from a student-centered learning environment that empowers students to become leaders through academic achievement, global connections and engagement in research, education and service.

Preparing students for entry into a professional field is an important focus of OCSE. Professional success doesn't begin with students wear the cap and gown and receives a diploma. Preparing for professional success is a process that begins the moment a student steps on campus. Students have a access to a wide variety of tools to help in their success:

- Hands-on, project based learning
- State-of-the-art laboratories
- Opportunities for research and study abroad
- Real-world experiences through mentoring and internships
- Career awareness and opportunities

Handshake: A Modern Platform for Recruiting

What is it?

- Manage all your campuses with Handshake at no cost
- Provide a mobile experience-update job postings, view applicants, etc. while on the go using Handshake's responsive design
- *For those with a Handshake account*, please login and select Western Kentucky University as a school where you would like to recruit. After approval you will then be able to share your opportunities with WKU students and alumni.
- For those who do not have a Handshake account, please use this link to create a free account: visit wku.edu/ogden/internships for a clickable link and more information)
- After creating an account, post your company's open positions

For more information about Handshake, visit

www.wku.edu/ogden/internships/handshakerecruitingportal.php



Benefits of Starting an Intern Program

1. Find Future Employees
2. Test-drive Talent
3. Increase Productivity
4. Increase Employee Retention Rate
5. Enhance Perspective
6. Take Advantage of Low-Cost Labor
7. Find Students Free of Charge
8. Give Back to the Community
9. Support Students
10. Benefit Your Small Business

-Internship.com

What Companies are Saying...

“At Sumitomo Electric Wiring Systems, Inc. (SEWS), our internship program is the top source for recruiting entry level engineers. In the past year and a half, we’ve hired 6 engineers; all 6 were WKU Mechanical Engineering graduates and all had experience as interns prior to starting at SEWS. In fact, 3 of the 6 engineers gained their internship experience at SEWS. Internship opportunities are a win-win for both the student and for SEWS and we are proud of our partnership with WKU.”

Shay Smith, Human Resource Manager
SEWS, Scottsville, KY

For More information, contact:

Liz Fogle

Internship Coordinator

liz.fogle@wku.edu, (270) 745-2574

www.wku.edu/ogden/internships