



### **Agriculture**

The Department of Agriculture at WKU offers student-centric programs leading to degrees in Agriculture that extend from farm to fork. Hands-on learning includes coursework, fieldwork, internships, cooperative education, and student employment at the Agricultural Research and Education Center (AREC, commonly referred to as the WKU Farm), L.D. Brown Agricultural Exposition Center, the Floral Design and Training Center, the Baker Arboretum, and Study Abroad.

### **Biology**

The Department of Biology wants to help you reach your goals. Our engaging classes, active learning environments, hands-on research, and opportunities to study globally prepare you for success, whether you are planning to enter a health profession, attend graduate school, or enter the work force after college. The 'study of life' is fascinating and exciting opportunities in biotechnology, biochemistry, molecular biology, ecology and conservation await.

### **Chemistry**

WKU Chemistry is home to a growing number of vibrant and enthusiastic scientists who are dedicated to their students in the both the classroom and in the research lab. Chemistry majors go on to become teachers, medical professionals, pharmacists, or research scientists. Our students receive hands-on experiences in state-of-the-art facilities and have direct interaction with our faculty, becoming empowered to meet global challenges through chemistry.

### **Geography and Geology**

The Department of Geography and Geology - Interested in Planet Earth? The Department of Geography and Geology offers majors and minors in Geography, Geology, Meteorology and Geographic Information Systems (GIS). We study landscapes and cultures, forecast the weather, chase storms, explore volcanoes and caves, look for oil and gas, and we learn to live sustainably and protect water resources. Join us!

### **Mathematics**

Mathematics is not flashy, but it is the foundation on which the sciences are built. And, for the math-only crowd, there are lucrative and rewarding careers awaiting you upon graduation, too. Impress your friends when you tell them that you met a real, live mathematician today!

### **Physics and Astronomy**

Physics is a fundamental discipline with exciting, lucrative career opportunities. In the true spirit of Henry Hardin Cherry's philosophy of "behind the deed is the doer and behind the doer is the dream", WKU Physics and Astronomy specializes in students dreaming and doing transformative, cutting edge research, student centered instruction and community engagement as they explore the universe

### **Psychological Sciences**

Every day there is new psychological research demonstrating that psychological science is fundamental to understanding and addressing pressing issues in our world. Our major provides excellent training in the kinds of skills that will advance students' personal and professional development, especially skills like critical thinking, understanding behavior, working effectively in diverse organizations, and using and interpreting data. We pride ourselves on our research productivity and our collegial relationship with our students. The WKU Department of Psychological Sciences is truly a place where students can develop as professionals in the field.

### **School of Engineering and Applied Science**

The School of Engineering and Applied Sciences is home to ten undergraduate programs that support workforce development. We educate students to be leaders in a changing technical landscape, solving problems facing our high tech society.

**Building Systems** – includes Architectural Sciences, Civil Engineering, and Construction Management; prepares students for bridging between design theory and construction practice. Graduates design and work on roads and bridges, buildings and foundations, water supply and waste-water facilities, and environmental protection facilities. The programs at WKU focus on construction, geotechnical engineering, construction materials, structures, surveying, and hydrology.

**Mechanical Systems** – includes Manufacturing Engineering Technology, Mechanical Engineering, and Technology Management; prepares students to apply engineering principles and advanced manufacturing technical skills in support of industrial operations. Graduates become leaders in business and industry while practicing innovation in the global marketplace. The programs at WKU focus on mechanics, engineering materials, thermodynamics and fluid mechanics.

**Information Systems** – includes Computer Information Technology, Computer Science, and Electrical Engineering prepares students to solve and design solutions for technical, managerial, communicative problems using software, hardware, networking, and electrical components. Information Systems touches virtually every aspect of life in the twenty-first century.

### **SkyTeach**

SKYTEACH offers opportunities to undergraduate students at WKU entering careers in science and math education. The mission of SKYTEACH is to recruit, prepare, and support the next generation of science and math teachers in Kentucky through a unique partnership with the College of Education and Behavioral Sciences. The Science and Math Education major is paired with Middle Grades Mathematics and Middle School Science for preparation for teaching in middle school or with a disciplinary major in biology, chemistry, earth/space science, mathematics, or physics for preparation for teaching in high school.