Do you dream to be trained as a marine biologist, but feel landlocked in Arkansas? Fortunately for you, Southern Arkansas University recently launched the first Marine Biology option in Biology offered in the entire state! As a student of marine biology at SAU, you will have opportunities to take marine science courses on SAU's main campus, travel to Mississippi's Gulf Coast to gain hands-on experience in the field, and even conduct cutting-edge research with trained marine biologists. Whether you are interested in microscopic plankton or meter-long sharks, our new Marine Biology option has something for you. Don’t miss out! Consider jump-starting your career in marine biology at SAU!

“Genomics and Human Society”
“Evolution of the Genome”
“Personal Genomics and the future of Medicine”
“The Evolution of Sex”, “Genomes from the Garden”

“Symmetry groups”
“Unconventional number systems”
“Applications of algebra in cryptography”

“Engineering Design Process”
“3D Printing in Engineering”
“Engineering Drawing and Design”
“Working Principles of Common Engineering Devices”
“A hands on approach to Simple Robotics”

Dr. Scott McKay
Dean College of Science and Engineering
and Professor of Chemistry
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Dr. McKay’s research focuses on petroleum and lignite research and crystal engineering. He was the former founder and director of the Center for Alternative Fuels and Environmental Systems. Dr. McKay has a Ph.D. in organic chemistry and bachelors’ degrees in chemistry and geology. He would welcome the opportunity to talk about these subjects or discuss opportunities in the area of science and engineering in general.
-The Earth’s inhabitants cannot live without food. Agriculture is one of the most necessary scientific endeavors and with the forecasted population increase it is more critical now than ever. At SAU, the Agriculture Department teaches both the scientific principles of animal and plant life along with the practical knowledge of plant and animal production. We prepare students to become agricultural scientists, agriculture educators and prepare students to enter the exciting fields of agriculture business.

We have a brand new Agriculture Science Center that has and will continue to increase our abilities to teach.

So you just finished watching an episode of Bones or CSI and now you’re wondering how you can get in on the forensic science act. Or, better yet, you’ve developed a passion for problem solving and a love for the natural sciences and the scientific method, and you’d like to find a way to apply that knowledge towards fighting and solving crimes. If this describes you, then a career in forensic science will probably be the perfect science career for you. The Southern Arkansas University forensic science program brings together the fields of chemistry, biology, physics, medicine, and criminal justice. This degree exposes students to the application of scientific principles and analytical methods to criminal and civil investigations. Forensic science is a demanding major because of its scientific underpinning and the skills needed to analyze crime scene evidence while following legal procedures that preserve evidence for use in court. However by pursuing this degree, you will gain: 1) a broad range of knowledge and skills in chemistry and biology; 2) an understanding of the criminal justice system and rules of evidence; 3) technical expertise and analytic reasoning abilities.

The Natural Resource Research Center (NRRC) is the gateway to the knowledge and professional capabilities of the faculty and students in the College of Science and Engineering. The NRRC is a certified water and soil lab by the Arkansas Department of Environmental Quality (ADEQ). The certification is a giant step for research capabilities at SAU. Students working at the NRRC have the opportunity to work with the state of the art instrumentation to gain hands-on experience and participate in real world projects and problem solving. They have the opportunity to work with different companies and government entities.

Have you ever considered becoming a successful doctor, dentist, physical therapist, veterinarian or pharmacist? If so, SAU has a pathway to these and 25 other medical professions. Dr. Claude Baker had been guiding students into these careers for over 40 years and can answer all your questions. In this presentation, he will explore a variety of medical careers including admission requirements. Are you up to the challenge?

Title of talk: How to become a Doctor in 33 steps?

Are you a passionate hunter, a fishing fanatic, an avid bird watcher, or a budding naturalist? Do you love working in the great outdoors? If you answered yes to any of those questions you should consider pursuing a degree in a career field that allows you to enjoy what Mother Nature has to offer. At Southern Arkansas University, you can obtain a bachelor's degree in wildlife biology and conservation. Our students get a unique “hands-on” experience working with the conservation of species, forest and wildlife management, and habitat restoration as well as the administrative side of natural resources and policy. A major goal of our program is to guide our students into internships and ultimately careers with state, federal, and non-profit agencies in order to provide services satisfying the needs of the public and future generations. Our wildlife biology and conservation degree option also allows our students the opportunity to become a certified wildlife biologist through The Wildlife Society and helps promote continuing education in to graduate schools across the country.

NATURAL PRODUCTS “REMEDIES FROM THE WILD”
FLOWERING PLANT ANTHEROCYANINS “GARDEN PIGMENT PROFILING”
TOXICOLOGY