Have you ever wondered how much force your ACL can bear before it tears? Or how microbes could be used to make biofuels? Well, if you’re reading this brochure, then you have probably pondered these, and many other, biological questions. When you study biology at LeTourneau University, you can help find the answers to these questions and thousands more. Not only that, but we will give you laboratory research experience to prepare you for your career.

**OUR DEGREES**

- Biology, B.S.
- Biology, minor
- Life Sciences Education, B.S.

**PRE-MED PROGRAM**

Our pre-med program is unique—it takes a Christian perspective to science and ethics. Our pre-med program will provide you with a strong natural science foundation to continue your studies in the medical field. And you’ll learn by observing physicians in clinical settings to see first-hand what it takes to be part of a healthcare team.
We have state-of-the-art science labs that include contemporary microscopes and computer-integrated instruments such as:

- Fourier transform infrared spectrometer
- Nuclear magnetic imaging spectrometer
- UV-VIS spectrophotometer
- Gas chromatographs
- Olympus binocular compound microscopes
- An Olympus CX41 binocular compound microscope with fluorescence optics
- Olympus dissecting microscopes
- Agarose and 6 polyacrylamide gel electrophoresis units
- PCR programmable thermocyclers
- High-speed, refrigerated fixed-angle and swinging-bucket centrifuge
- Eppendorf micro-centrifuges
- UV Electrophoresis trans-illuminators and cameras
- Programmable High-Intensity Environment Plant Growth Chamber
- Computer-interfaced Bio-Pac life sciences data acquisition and analysis systems
- Articulated and disarticulated human skeletons and multiple skulls of real bone
What can’t you do with your degree? Biology majors have such broad career options! These include working as research technicians, teachers or pursuing health-related professional schools such as medicine, nursing, dentistry, veterinary medicine, physician’s assistant or physical therapy. If that’s not enough to grab your attention, how about continuing your education in graduate school studying molecular biology, microbiology, genetics, zoology, cell biology, plant pathology or animal nutrition?
Our LEGS team (made of engineering and science students) work together to design and implement a prosthetic leg for use in developing nations.

Currently, if selected for the LEGS team, you could travel to Kenya, Bangladesh or Sierra Leon. Before traveling, you would do research on the rehabilitation of amputees in developing countries and hands-on work with rehabilitation, data collection and public relations. How many undergraduate biology programs let you to do that?

Our Introduction to Research course exposes you to topics including the scientific method, searching the literature, writing research proposals, analysis of data, communication of findings and the publication process.

Undergraduate research allows you to explore your research interests for limited academic credit under the direct supervision of a faculty member.

A dedicated research laboratory is available for approved projects. In addition, we share several computer-interfaced instruments with the Chemistry Department.
WHY LETOURNEAU UNIVERSITY?

• Our curriculum affirms God as the Creator and believes that highly significant physical evidence exists to support this belief.
• You’ll get experiential learning opportunities in laboratories and in clinical observations.
• Beyond biology, you will learn critical thinking and problem solving skills.
• You can build relationships with your advisors and profs that are personal and supportive.
• Life sciences are taught from a Christian worldview, particularly regarding bioethics and the origin of life.
“LETU professors had a major impact on my life. They showed their care to me as a student and encouraged me to succeed, not only in schoolwork, but also in life. They not only spoke to us about living a life for Christ, but they modeled it in their everyday lives.”

—Jeannie Thompson ’04, B.S. in Biology
Oklahoma State Department of Health
epidemiologist

“I don’t think I would be in medicine, or have the incredible friends that I do now, had it not been for my time at LETU.”

—Christopher Schwan ’02, B.A. in Biology
University of Texas Southwestern Medical Center
medical student

NEED MORE INFO?
Get lots more info on our Web site at www.letu.edu/biology or call 800-759-8811.