

THE UNIVERSITY OF TENNESSEE AT MARTIN

Discover UT MARTIN

COLLEGE of ENGINEERING
& NATURAL SCIENCES

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Discover the possibilities

COLLEGE of ENGINEERING & NATURAL SCIENCES

Undergraduate degrees:

Biology
Chemistry
Computer Science
Engineering
Mathematics

See the back cover for a full list of available subject areas.

On the cover: Dr. Ann Gathers (center), Biological Sciences

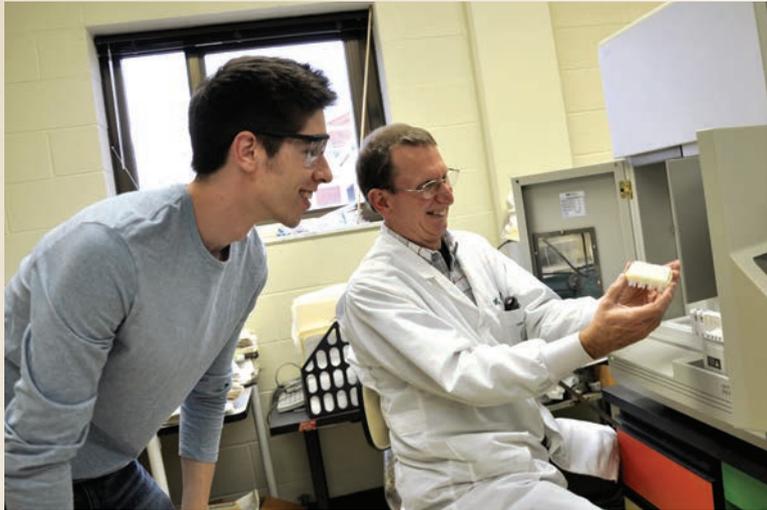
I want to be a physician.

Amber Simmons, Dyer, Tenn.
Chemistry



The College of Engineering and Natural Sciences is committed not only to providing students with the knowledge necessary to obtain their degrees, but also with building solid foundations upon which students can stand throughout their professional careers. This college not only offers majors in the biological sciences, chemistry, computer science, engineering and mathematics, but also supports the pre-professional programs in the health sciences. These pre-professional programs are specifically designed to prepare those students interested in specializing in any one of 13 post-graduate programs, including dental, medical, pharmacy or optometry schools.

The college also supports the Reelfoot Lake Environmental Field Station, located in Samburg. The field station offers ample opportunities for students and researchers to observe and study a variety of wildlife, submerged and emergent vegetation, geological conditions, water quality and terrestrial habitats.



Clockwise from top: Chemistry major Joseph Zitynar in a lab with Tennessee Wildlife Resources Agency forensics specialist Mike Stockdale; Mathematics major Michael Ruddy tutors fellow student John Sellars in the UTM Math Lab; Engineering major BJ Northington.

I want to be...

- Aerospace engineer
- Automotive engineer
- Biocatalyst discoverer/assistant
- Biologist
- Biostatistician
- Cellular biologist
- Chemical laboratory technician
- Civil engineer
- Clinic researcher
- Cryptographer
- Dentist
- Design engineer
- Dietary scientist
- Engineer
- Environmental analyst
- Field researcher
- Forensic chemist
- Forester
- Geotechnical engineer
- Industrial engineer
- Immunology technician
- Information scientist
- Manufacturing engineer
- Mechanical designer
- Medical assistant
- Microbiologist
- Molecular biologist
- Network engineer
- Optometrist
- Park naturalist
- Pathology technician
- Pharmacist
- Physician
- Process engineer
- Product design engineer
- Program scientist
- Project engineer
- Quality engineer
- Research scientist
- Science teacher



Biology major Adrienne Smith, Memphis, Tenn., works in a science lab on campus.

UT Martin students designed a residential photovoltaic solar energy system operating under the TVA Green Switch program.

100 percent of UT Martin engineering graduates have passed the national Fundamentals of Engineering Exam required for licensure.

Engineering students have designed more than 20 mobile applications now available for Android and Apple products.

The UT Martin Student Members of the American Chemical Society chapter leads the nation for the number of outstanding ratings and Green Chapter designations.

The biology department offers unique summer field courses and research opportunities through affiliations with the Gulf Coast Research Laboratory in Ocean Springs, Miss., and UT Martin's Reelfoot Lake Environmental Field Station.

Dr. Robbie Montgomery

Associate Professor

Dr. Robbie Montgomery is an associate professor of analytical chemistry at UT Martin. Her research is focused on proteomic analysis using chromatography, electrophoresis and fluorescence microscopy.

The chemistry department has access to cutting edge technologies that help the student become well rounded in studying and analyzing chemistry. "We are very lucky in this department for the instrumentation that we have available to the students," Montgomery said of the technology. She continued, "The great thing here is that the instrumentation is here for the students and not just for research purposes. So, they get to use it, and we get the bonus of using it for research as well."

Chemistry is not an easy major, but for ambitious students who are willing to put time and energy into their work, their preparedness will be evident. Montgomery said, "Our graduates are extremely successful in going to professional schools, med schools, pharmacy schools; we have some in dental school, optometry school and nursing programs." She continued, "We've heard from many other universities in the health sciences that students who come from UTM, we know they're prepared for the course work there."



College of Engineering and Natural Sciences

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Biology

Cell and Molecular
Ecology and Environmental
Organismal

Chemistry

Computer Science

Software &
Computer Systems

Engineering

Civil
Electrical
Industrial
Mechanical

Mathematics

Mathematics
Secondary
Statistics
General

Physics and Astronomy

Minor available
in physics

Pre-professional Health Sciences

Chiropractic
Cytotechnology
Dental Hygiene
Dentistry
Health Information
Medical Lab Science
Medicine
Occupational Therapy
Optometry
Pharmacy
Physical Therapy
Physician Assistant

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MARTIN

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