The College of Science and Technology at Millersville University provides students with the education and resources needed for a wide range of careers in industry, business, health care, teaching and research. Our graduates are disciplined thinkers who can analyze problems and devise insightful solutions.

The College of Science and Technology comprises nine departments offering the following undergraduate baccalaureate programs of study:

**APPLIED ENGINEERING, SAFETY & TECHNOLOGY**  
- Applied Engineering & Technology Management  
  with options in  
  - Computer-Aided Drafting & Design  
  - Construction Management  
  - General Technology  
  - Graphics & Packaging Technology  
  - Automation & Robotics  
  - Engineering Technology  
  - Manufacturing Engineering Technology  
  - Occupational Safety & Environmental Health  
  - Technology & Engineering Education  
  - Engineering Design Education Option  

**BIOLOGY**  
- Allied Health Technology with options in  
  - Pre-Athletic Training  
  - Medical Technology (Clinical Laboratory Science)  
  - Nuclear Medicine Technology  
  - Respiratory Therapy  
- Biology with options in  
  - Animal Behavior  
  - Secondary Education Certification  
  - Environmental Biology  
  - Marine Biology  
  - Medical Technology  
  - Molecular Biology/Biotechnology  
  - Nuclear Medicine Technology  
  - Plant Science  
  - Pre-Medical Professions  
  - Pre-Optometry  
  - Pre-Podiatry  
  - Respiratory Therapy  

**CHEMISTRY**  
- Chemistry with options in  
  - Biochemistry  
  - Secondary Education Certification  
  - Engineering Instrumentation Automation  
  - Environmental Chemistry  
  - Nanotechnology  
  - Polymer Chemistry  
  - Pre-Pharmacy  

**COMPUTER SCIENCE**  
- Computer Science  

**EARTH SCIENCES**  
- Emergency Management  
- Environmental Earth and Ocean Sciences  
  - Geology Option  
  - Environmental Earth Sciences Option  
  - Ocean Sciences Option  
- Meteorology  
- Secondary Education Certification  

**GEOGRAPHY**  
- Geography with options in  
  - Environmental and Spatial Sciences  
  - Geospatial Applications  
  - Global Studies  
  - Social Studies (Education)  
  - Sustainability Studies  

**MATHEMATICS**  
- Mathematics with options in  
  - Actuarial Science  
  - Applied Mathematics  
  - Secondary Education Certification  
  - Statistics  

**NURSING**  
- Nursing (must have R.N. degree)  

**PHYSICS**  
- Physics with options in  
  - Cooperative (dual-degree) Engineering  
  - Secondary Education Certification  
  - Nanotechnology  

**MULTIDISCIPLINARY STUDIES**  
- Business Analytics  
- Pre-Occupational Therapy  
- Science Writing  
- Data Science  

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Millersville University  
**COLLEGE OF SCIENCE AND TECHNOLOGY**
RESEARCH
Students can participate in faculty-mentored research within and outside their degree program. Over 100 students participate annually in independent research experiences with faculty. Students routinely present their work at professional conferences, with several publishing their findings in peer-reviewed professional journals.

“I had the opportunity to spend two weeks in the Ecuadorian Amazon assisting [my research advisor] in fieldwork with tropical birds in the jungle of Yasuni National Park, Ecuador.”
– Lindsay M., Biology

INTERNSHIPS
There are many co-ops and internship opportunities available to Millersville University students. We provide our students with professional experiences in their respective disciplinary areas that they may complete within or outside the curriculum.

“By completing an internship and writing a thesis, I have gotten to dive deeper into topics that are not covered by the general classes required for the mathematics major or my concentrations.”
– Madison M., Mathematics

FACILITIES AND EQUIPMENT
We are continually investing in new instrumentation for our students and faculty in the classroom, in the field and while conducting research. Providing students access to and training on cutting edge instrumentation prepares them for whatever they choose to pursue.

“It is truly amazing that a collection of inanimate parts, sensors and computer processors/microcontrollers, combined with human intelligence to program them, can be transformed into a useful tool.”
– Heather M, Automation and Intelligent Robotics
Engineering Technology

ABOUT OUR GRADUATES
Our curriculum prepares students for the range of opportunities available to them upon graduation, for the careers of today and tomorrow.

“Words cannot express how grateful I am for [the faculty’s] help and support. Their passion and excitement for chemistry keep inspiring me to pursue a Ph.D. degree in organic synthesis.”
– Yongyu O., Chemistry

STUDENT ADVICE
“When moving through your college career, take advantage of every opportunity you can, no matter the size. Those opportunities will not come to you; you must go get them.”
– Ben W, Meteorology