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 AND TECHNOLOGY**
- Applied Engineering and Technology Management with options in
  - Advanced Manufacturing Technology
  - Computer-Aided Drafting & Design
  - Construction Management
  - General Technology
  - Graphic Communication Technology
  - Nanofabrication Manufacturing Technology
  - Robotics & Control Systems Technology
- Automation and Intelligent Robotics Engineering Technology
- Occupational Safety and Environmental Health
- Packaging Engineering Technology
- Technology & Engineering Education

**BIOLOGY**
- Allied Health Technology with options in
  - Pre-Athletic Training
  - Medical Technology (Clinical Laboratory Science)
  - Nuclear Medicine Technology
  - Respiratory Therapy
  - Sports Medicine
- Biology with options in
  - Animal Behavior
  - Botany
  - Secondary Education Certification
  - Environmental Biology
  - Marine Biology
  - Medical Technology
  - Molecular Biology/Biotechnology
  - Nuclear Medicine Technology
  - 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
- Information Technology with option in
  - Health Care Analytics

**EARTH SCIENCES**
- Geology
  - Option in Environmental Geology
  - Meteorology
  - Ocean Sciences and Coastal Studies
  - Option in Physical Oceanography
  - Earth Sciences 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**
- Entertainment Technology
- Environmental Hazards and Emergency Management
- Data Science
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, 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

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

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

“Having the opportunity to work with and meet so many amazing and talented scientists and peers within the field has been incredible. They aren’t kidding when they say how important it is to network. Between different conferences and my internship this summer, the endless connections and friends I have made throughout my journey within the field are priceless.”
– Sara H, Meteorology

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 from [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 Q, Chemistry

“After graduation, I hope to teach high school courses and encourage more female students to get involved in the discipline. My teachers encouraged and supported me, and I want to do the same for my future students.”
– Sidney S, Technology and Engineering Education

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