THE COLLEGE OF SCIENCE AND TECHNOLOGY

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
  - Sports Medicine
- 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

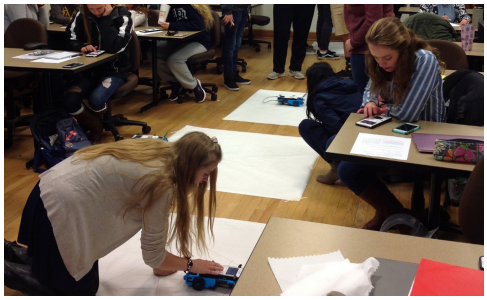
- Nursing (must have R.N. degree)

PHYSICS

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

MULTIDISCIPLINARY STUDIES

- Business Analytics
- Pre-Occupational Therapy
- Science Writing
- Data Science



Millersville University

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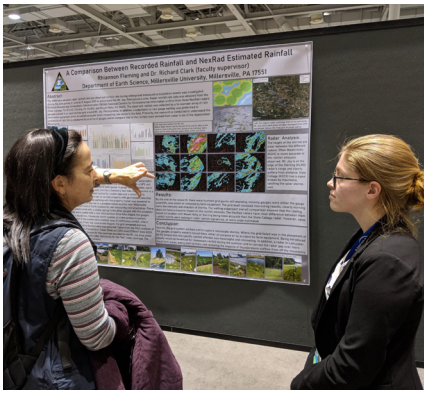

RESEARCH

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

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

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

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 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

"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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The College of Science and Technology • 717-871-4292 • **www.millersville.edu/scienceandmath**

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