COLLEGE OF SCIENCE AND TECHNOLOGY

In the College of Science and Technology excellence in teaching and learning is our highest priority.

Our departments have a long history of providing students with the depth and breadth of education needed for success in contemporary fields of science and technology. Several important points you should know about our College faculty are:

• We are experienced educators, with approximately 98 percent of the full-time faculty in the College holding doctoral degrees.
• We are active scholars who conduct research and bring our passion and knowledge into the classroom.
• We embrace the use of high-impact educational practices in the curriculum to help facilitate your education and the development of skills necessary for you to be an independent, life-long learner. Various forms of experiential learning can be found throughout the curriculum, from faculty-mentored research and internship experiences to the opportunity for students to communicate their work to members of the public as well as to the professionals within their respective disciplines.

At Millersville, we encourage our students to work TOGETHER to be STRONG, capable learners!

As you research the science and technology programs at Millersville University through our website, be sure to read the brief highlights of our departments, our student research and internship experiences, student club opportunities, as well as alumni accomplishments. After your virtual online tour, we invite you to visit our campus in person, to meet our faculty and students, see our modern facilities, and learn more about our exceptional programs.

the departments

• Applied Engineering, Safety & Technology (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/)
• Biology (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/)
• Chemistry (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/)
• Computer Science (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/)
• Earth Sciences (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/)
• Environmental Hazards and Emergency Management (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-hazards-emergency-management/)
• Environmental Studies (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-studies/)
• Geography (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/)
• Mathematics (https://catalog.millersville.edu/undergraduate/college-science-technology/mathematics/)
• Physics (https://catalog.millersville.edu/undergraduate/college-science-technology/physics/)

• Wehrheim School of Nursing (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/)

the programs

• Advanced Manufacturing Technology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/advanced-manufacturing-minor/)
• Allied Health Technology, B.S. - Pre-Athletic Training Dual-Degree Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/allied-health-technology-bs-pre-athletic-training-dual-degree-option/)
• Allied Health Technology, B.S. - Respiratory Therapy 2+2 Year Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/allied-health-technology-bs-respiratory-therapy-2-2-year-option/)
• Allied Health Technology, B.S. - Medical Technology 3+1 Year Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/allied-health-technology-bs-medical-technology-3-1-year-option/)
• Allied Health Technology, B.S. - Nuclear Medicine Technology 3+1 Year Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/allied-health-technology-bs-nuclear-medicine-technology-3-1-year-option/)
• Allied Health Technology, B.S. - Sports Medicine (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/allied-health-technology-bs-sports-medicine/)
• Applied Engineering & Technology, A.T. - Computer Aided Draft/Design (https://catalog.millersville.edu/undergraduate/college-
Biology, B.S. - Plant Sciences Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-plant-sciences-option/)

Biology, B.S. - Pre-Medical Professions Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-pre-medical-professions-option/)

Biology, B.S. - Pre-Podiatry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-pre-podiatry-option/)

Biology, B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-ed/)

Certificate in Population Health (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/population-health/)

Certificate in Telehealth (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/telehealth/)

Chemistry Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-minor/)

Chemistry, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs/)

Chemistry, B.S. - Biochemistry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-biochemistry-option/)

Chemistry, B.S. - Polymer Chemistry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-polymer-chemistry-option/)

Chemistry, B.S. - 3+4 Pre-Pharmacy Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-3-4-preparepharmacy-option/)


Chemistry, B.S. - Environmental Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-environmental-option/)

Chemistry, B.S. - Nanotechnology Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-nanotechnology-option/)


Computer Aided Drafting/Design Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)

Computer Science Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)

Computer Science, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)


Data Science Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/data-science-minor/)


• Biochemistry Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-biochemistry-option/)

• Biology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-minor/)

• Biology, B.S. - Environmental Biology Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-environmental-biology-option/)

• Biology, B.S. - Respiratory Therapy Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-respiratory-therapy-option/)

• Biology, B.S. - Animal Behavior Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-animal-behavior-option/)


• Biology, B.S. - Medical Technology Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-medical-technology-option/)


• Biology, B.S. - Nuclear Medicine Technology Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-nuclear-medicine-technology-option/)

• Biology, B.S. - Optometry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-optometry-option/)

• Biology, B.S. - Plant Sciences Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-plant-sciences-option/)

• Biology, B.S. - Pre-Medical Professions Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-pre-medical-professions-option/)

• Biology, B.S. - Pre-Podiatry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-pre-podiatry-option/)

• Biology, B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/biology/biology-bs-ed/)

• Certificate in Population Health (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/population-health/)

• Certificate in Telehealth (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/telehealth/)

• Chemistry Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-minor/)

• Chemistry, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs/)

• Chemistry, B.S. - Biochemistry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-biochemistry-option/)

• Chemistry, B.S. - Polymer Chemistry Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-polymer-chemistry-option/)

• Chemistry, B.S. - 3+4 Pre-Pharmacy Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-3-4-prepharmacy-option/)

• Chemistry, B.S. - Engineering Instrumentation Automation Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-engineering-instrumentation-automation-option/)

• Chemistry, B.S. - Environmental Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-environmental-option/)

• Chemistry, B.S. - Nanotechnology Option (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-nanotechnology-option/)

• Chemistry, B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/chemistry-bs-ed/)

• Computer Aided Drafting/Design Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)

• Computer Science Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)

• Computer Science, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/computer-science-bs/)

• Construction Technology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/construction-technology-minor/)

• Control Systems Technology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/control-systems-technology-minor/)

• Data Science Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/computer-science/data-science-minor/)
• Earth Sciences Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/earth-sciences-minor/)
• Environmental & Spatial Sciences, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/environmental-spatial-sciences/)
• Environmental Chemistry Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/chemistry/environmental-chemistry-minor/)
• Environmental Geography Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/environmental-geography-minor/)
• Environmental Policy and Regulation Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-studies/environmental-policy-regulation-minor/)
• General Geography Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/general-geography-minor/)
• Geography B.A. - Environmental Studies Option (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/geography-ba-environmental-studies-option/)
• Geography, B.A. - Geospatial Applications Option (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/geography-ba-geospatial-applications-option/)
• Geography, B.A. - Global Studies Option (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/geography-ba-global-studies-option/)
• Geography, B.A. - Sustainability Studies Option (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/geography-ba-sustainability-studies-option/)
• Geology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/geology-minor/)
• Geospatial Applications Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/geospatial-applications-minor/)
• Global Geography Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/global-geography-minor/)
• Graphic Communication Technology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/graphic-communication-concentration/)
• Heliophysics and Space Weather Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/heliophysics-space-weather-minor/)
• Hydrology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/hydrology-minor/)
• Industrial and Environmental Health Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-studies/industrial-environmental-health-minor/)
• Integrative STEM Education Methods Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/integrative-stem-education-methods-minor/)
• Land-Use Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-studies/land-use-minor/)
• Mathematics Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/mathematics/mathematics-minor/)
• Mathematics, B.A. (https://catalog.millersville.edu/undergraduate/college-science-technology/mathematics/math-ba/)
• Mathematics, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/mathematics/mathematics-bs/)
• Mathematics, B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/mathematics/mathematics-bsed/)

College of Science and Technology

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- Meteorology Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/meteorology-minor/)
- Meteorology, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/meteorology-bs/)
- Nursing, B.S.N. (https://catalog.millersville.edu/undergraduate/college-science-technology/nursing/nursing-bsn/)
- Oceanography Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/earth-sciences/oceanography-minor/)
- Physics Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/physics/physics-minor/)
- Physics, B.S. (https://catalog.millersville.edu/undergraduate/college-science-technology/physics/physics-bs/)
- Physics, B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/physics/physics-bsed/)
- Social Studies, B.S.Ed. - Geography Advised (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/social-studies-bsed/)
- Sustainability Studies Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/geography/sustainability-studies-minor/)
- Technology & Engineering Education (K-12), B.S.Ed. (https://catalog.millersville.edu/undergraduate/college-science-technology/applied-engineering-safety-technology/technology-engineering-education-bsed/)
- Water Resources Minor (https://catalog.millersville.edu/undergraduate/college-science-technology/environmental-studies/water-resources-minor/)