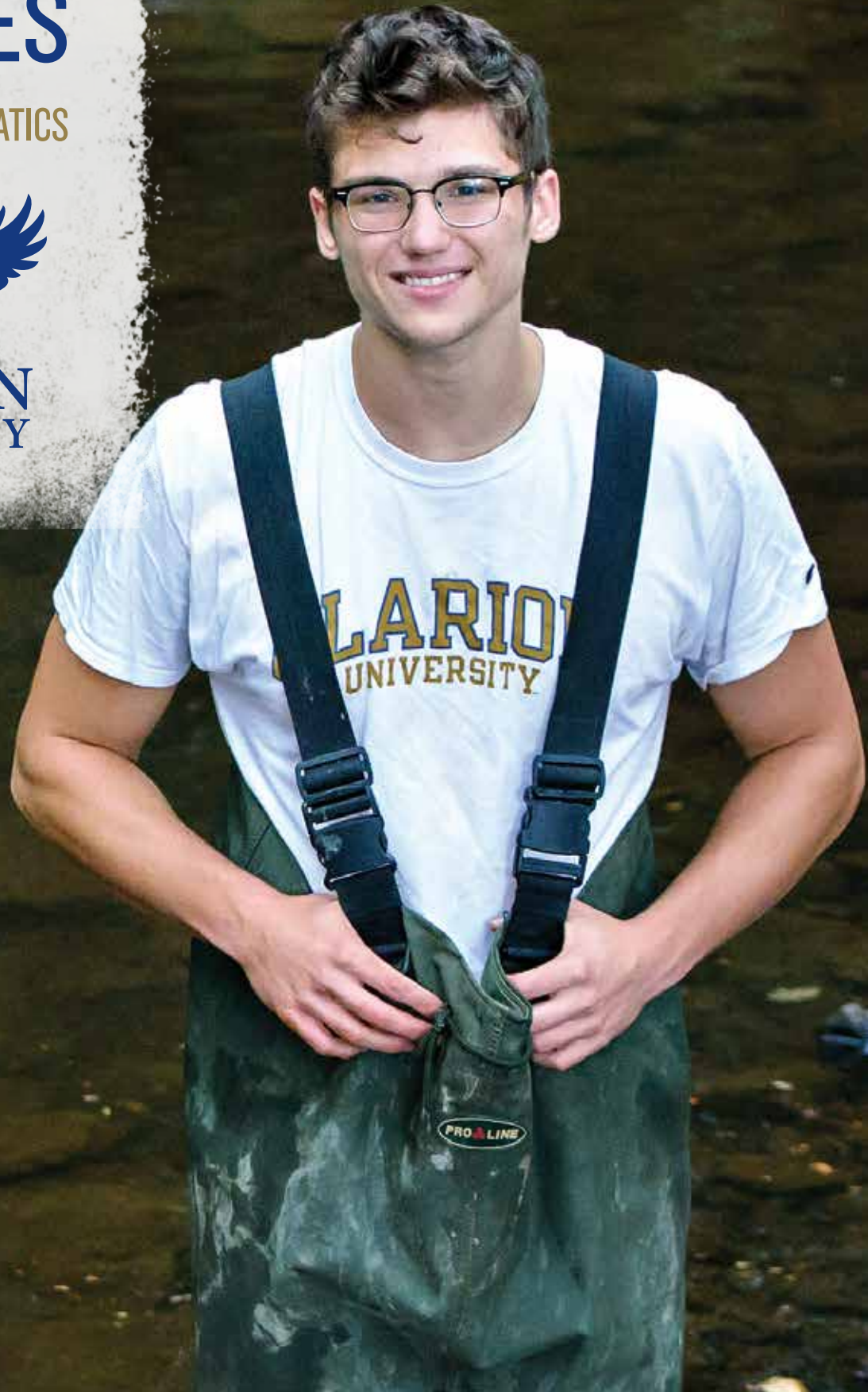


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SCIENCES**

SCIENCES & MATHEMATICS



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SCIENCE & MATHEMATICS:

BIOLOGY: clarion.edu/BIGS

- Bachelor of Science
- Bachelor of Science with a concentration in Ecology & Evolutionary Biology
- Bachelor of Science in Environmental Biology
- Bachelor of Science in Medical Technology
- Bachelor of Science in Molecular Biology/Biotechnology
- Minor in Evolutionary Biology
- Minor in Molecular & Cellular Biology

CHEMISTRY: clarion.edu/CMAP

- Bachelor of Science
- Bachelor of Science with concentrations in:
Chemistry/Biochemistry
Geochemistry
Co-op engineering
- Minor in Chemistry

GEOSCIENCE & GEOLOGY: clarion.edu/BIGS

- Bachelor of Science, Environmental Geoscience with concentrations in:
Atmospheric/Oceanic Science
Geoscience
Geographic Information Systems
Mineral Resources
- Bachelor of Science in Geology
- Bachelor of Science in Integrative Studies with a concentration in
Geography & Sustainable Planning
- Minor in Environmental Geoscience
- Minor in Geographic Information Systems
- Minor in Geography
- Minor in Geology
- Certificate in Geographic Information Systems

MATHEMATICS: clarion.edu/CMAP

- Bachelor of Science
- Bachelor of Science with concentrations in:
Co-op engineering
Financial Mathematics & Actuarial Science
- Bachelor of Science: Integrative Studies with a concentration in Science & Mathematics
- Minor in Mathematics

PHYSICS: clarion.edu/CMAP

- Bachelor of Science
- Bachelor of Science with concentrations in:
Astrophysics
Condensed Matter Physics
Co-op engineering
- Minor in Environmental Sustainability
- Minor in Nanotechnology
- Minor in Physics

PRE-PROFESSIONAL STUDIES: clarion.edu/PREHEALTH

Pre-chiropractic
Pre-medicine
Pre-pharmacy
Pre-podiatry

Pre-dentistry
Pre-occupational therapy
Pre-physical therapy
Pre-veterinary

Pre-engineering
Pre-optometry
Pre-physician's assistant



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PRE-PHARMACY
PRE-DENTISTRY
AFFILIATE

Clarion University continues to be at the edge of innovative programs, use of technology and research opportunities for undergraduate students.



Within our Chemistry, Mathematics and Physics department, students will find new concentrations in geochemistry, condensed matter physics, and financial mathematics and actuarial science.

With access to high-grade lab equipment, including a scanning electron microscope, all of our programs provide heavy lab focus with hands-on practical experience that translates into a job or professional school.

Clarion students not only have opportunities to prepare for graduate programs in areas such as nanoscience, artificial intelligence and biochemistry, but they are also working with world renowned faculty who are doing cutting edge research in their field, like discovering exocomets, and are excited to include you in their research.

Students interested in our Biology & Geosciences department have a breadth of programs from which to choose.

Students who enjoy spending time outdoors can explore our geology, environmental biology or environmental geoscience majors. Coursework emphasizes hands-on, field-based learning applied to environmental problem solving and real world issues. Based upon your area of interest, our faculty will guide you toward the degree, concentration, internship and program best suited for you.

In addition to our environmental-based programs, Clarion offers lab-based programs in molecular biology/biotechnology and medical technology.



Our most specialized and laboratory-intensive degree program is molecular biology/biotechnology. With advanced training in cell biology, genetics and cell physiology, along with a wealth of research opportunities and scientific writing skills, our students are highly sought after in industry, graduate schools and professional programs.

The Medical Technology program is our most technical degree and provides training in laboratory chemistry and biology. During the first three years, coursework



nearly
100%

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U.S. NEWS &
WORLD REPORT
2020



emphasizes broad hands-on, laboratory-based learning that is applicable to medical diagnosis and treatment. This is enhanced by the requirement of a fourth year at a clinical affiliate. These hospital-based experiences are located throughout Pennsylvania and New York and prepare students for state licensure. We boast 100% placement of applicants in clinical programs and a 100% pass rate on state registry exams.

Pre-Professional Health Programs at Clarion University are designed to foster motivated, caring and communicative

students who intend to pursue careers within a variety of health care professions. Preparation for professional school begins in the student's freshman year. Our pre-professional health committee works with you to discover your career aspirations, select key courses needed for your professional program and provide careful advising in order to meet the requirements of your chosen professional school.

We offer an Early Acceptance program with the Lake Erie College of Osteopathic Medicine (LECOM) for Pre-Medicine, Pre-Pharmacy and Pre-Dental, and an accelerated program for Pre-Chiropractic with Logan Chiropractic in St. Louis, Missouri.

In addition to LECOM and Logan, Clarion has also sent students to prestigious programs such as Iowa State, Ohio State and Ross University (Pre-Vet), Duquesne University, Gannon University, St. Augustine College (Pre-PT), Arcadia University, Massachusetts College of Pharmacy & Health Sciences, University of Pittsburgh (Pre-PA), as well as Case Western Reserve, Temple University, Virginia Tech and University of Pittsburgh (Pre-Dentistry, Pharmacy, Medicine).



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800-672-7171 (ext. 1)
admissions@clarion.edu