



Your formula for success

Biology. Chemistry. Neuroscience. Environmental Science. Biotechnology and Molecular Biology. Physics. If you love science, Assumption College offers you state-of-the-art laboratories, cutting-edge undergraduate research opportunities, and faculty who will help you excel.

Assumption graduates enter rewarding careers in medicine, health care, business, education, law, and research. You'll be grounded in a strong liberal arts tradition that will enable you to achieve your dreams.

“I'm conducting a research study on rescue medications in pediatric epilepsy in conjunction with a research fellow. Each day I go to the hospital and enroll patients into this clinical trial. I also have the opportunity to shadow world-class neurologists at the clinic and in the ICU.”

Robert Benjamin '17, Biology, Pediatric Epilepsy Clinical Researcher at Boston Children's Hospital

SAMPLING OF ASSUMPTION PROGRAMS WITH ARTICULATION AGREEMENTS:

Biotechnology

Northeastern University, B.A./Master of Science in Biotechnology (M.S.B.)

Engineering

University of Notre Dame B.A./ Bachelor of Science in Engineering (B.S.)
Washington University B.A./ Bachelor of Science in Engineering (B.S.) or B.A./Master of Science in Engineering

Environmental Science

Duke University, B.A./Master of Environmental Science Management (M.E.M.)

Physical Therapy

Massachusetts College of Pharmacy and Health Sciences, B.A./Doctorate in Physical Therapy (D.P.T.)

For a complete list, visit www.assumption.edu/partners.

Seize your opportunity

At Assumption, it's all about opportunities. The opportunity to work alongside faculty researchers in our state-of-the-art science center. The opportunity to gain hands-on experience at highly regarded internship sites around Worcester and across the country. The opportunity to live and learn in a community that really is dedicated to you and your future.

From the classroom to the laboratory, you'll learn from an accomplished faculty with years of specialized experience in such fields as cancer biology, synthetic organic chemistry,

and theoretical physics. You might find yourself working side-by-side with a professor conducting experiments and analyzing data — and, perhaps, publishing your results in scientific journals.

ACADEMIC PARTNERSHIPS

Assumption has formed partnerships with other renowned colleges and universities in order to offer our students more options. These agreements enable you to earn undergraduate credits and/or enter highly regarded graduate programs.



ASSUMPTION COLLEGE

Light the way.

Course of study

BIOLOGY

Major or Minor. You'll explore the diversity of life forms, from single-celled organisms to complex populations. With support from faculty and peers, you'll receive extensive hands-on laboratory experience and develop technical research skills.

Major with Concentration in Neuroscience and Behavior. A close collaboration between the natural sciences and psychology departments enables biology majors to study the interaction of the biological and psychological reasons for behavior.

BIOTECHNOLOGY AND MOLECULAR BIOLOGY

Major. You'll examine the structure and function of the molecules within a cell and discover how organisms can be used to produce such products as antibiotics, vaccines, and other pharmaceuticals. In studying these disciplines, you'll find yourself at the leading edge of modern scientific research.

CHEMISTRY

Major or Minor. You'll gain an understanding of the structure and fundamental principles of matter. Through laboratory assignments of increasing complexity and sophistication, you'll further develop your knowledge of organic, inorganic, physical, and analytical chemistry as well as biochemistry.

ENGINEERING

Major or Minor. Students are provided a comprehensive curriculum that lays the foundation for future success. Students who choose to be an engineering major can pursue a dual degree through partnership agreements with both the University of Notre Dame and the School of Engineering & Applied Science (SEAS) at Washington University in St. Louis. Assumption engineering students are uniquely positioned as exceptional, well-rounded candidates in a competitive job market, with degrees from two prestigious institutions of higher learning.

ENVIRONMENTAL SCIENCE

Major or Minor. You'll explore the effects of biological systems on the environment. Through studies on such topics as resource conservation and environmental policy, you'll acquire a deeper appreciation for the impact of

human activity on the earth's ecosystems.

Major with Concentration in Environmental Policy. Shape public policy for the conservation of natural resources based on solid science principles.

PHYSICS

Minor. Develop an understanding of the fundamental laws that govern matter, energy and motion and use them to build a better world.

DOUBLE MAJOR IN EDUCATION

Assumption's curriculum emphasizes proficiency in science and early, hands-on experience in the classroom. A Double Major in Education is available for Biology, Chemistry, and Environmental Science. You'll acquire the skills, experience, and knowledge necessary to achieve your teaching license.

For more information about our degree programs, visit www.assumption.edu/science.

DID YOU KNOW?

Assumption's chemistry major is certified by the American Chemical Society (ACS), the world's largest scientific society and one of the world's leading sources of authoritative scientific information. The highly regarded ACS certification reflects the expertise of our faculty and the strength of our academic program.

Learn by doing

Assumption offers paid summer research opportunities so you can work on campus with our faculty. Many motivated undergraduates intern at major research institutions around the country, with funding provided by the National Science Foundation, or one of the innovative scientific organizations in Worcester conducting research in biotechnology, medicine, or pharmaceuticals.

Assumption graduates have gone on to conduct research in the laboratory of Nobel Prize winner Dr. Craig Mello at the University of Massachusetts Medical School, and at Alpha Analytical in Westborough, Mass., the largest environmental laboratory in New England and one of the top 20 laboratories in the country.

SAMPLE INTERNSHIP AND SUMMER RESEARCH SPONSORS

Alpha Analytical Labs
American Cancer Society
Boston Children's Hospital
Genzyme
Harvard University
Duke University
National Science Foundation
New England Aquarium
Novartis
Pfizer

WHAT'S NEXT?

While many Assumption natural sciences students go on to pursue advanced degrees at graduate or health professional schools, others enter directly into such fields as business, education and government.

Here's a sampling of where Assumption alumni have found their formula for success:

SAMPLE RECENT EMPLOYERS

Abbott Bioresearch Center
Aventis Pharmaceuticals
Biogen Idec
Eli Lilly and Company
Genzyme
Massachusetts General Hospital
Pfizer
Waters Corporation
Yale School of Medicine

SAMPLE RECENT GRADUATE SCHOOLS

Boston University
Dartmouth College
Duke University
New England College of Osteopathic Medicine
Syracuse University
Tufts University
University of Massachusetts Medical School
University of Michigan
University of Pennsylvania
Yale University

POST-GRAD

Columbia University
Massachusetts College of Pharmacy and Health Sciences (MCPHS)
New England College of Optometry (NECO)
Ross School of Veterinary Medicine
New England College of Optometry