Your formula for success


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.

**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.

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**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 (Chemical Engineering, Environmental Engineering) B.A./Bachelor of Science in Engineering (B.S.)

**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.
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 members 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 enable biology majors to study the interaction of the biological and psychological reasons for behavior.

**Major in Education.** Assumption’s curriculum emphasizes proficiency in science and early, hands-on experience in the classroom. You’ll acquire the skills, experience, and knowledge necessary to achieve your teaching license.

**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.

**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.

**Major in Education.** Assumption’s curriculum emphasizes proficiency in science and early, hands-on experience in the classroom. 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.

**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.

**Major in Education.** Assumption’s curriculum emphasizes proficiency in science and early, hands-on experience in the classroom. You’ll acquire the skills, experience, and knowledge necessary to achieve your teaching license.

**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
Genzyme
Harvard University
Duke University
National Science Foundation
Novartis
Pfizer
University of Massachusetts Medical School

**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.

**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