Bachelor of Science

Biology

Prepare to work in exciting and emerging scientific fields.

Why Study Biology at Rivier?

Our B.S. in Biology provides you with a competitive edge for entry into the scientific community or graduate school, and it prepares you to advance to leadership roles in your field.

Choose Your Course

Concentrations in Allied Health, Combined Biology with your choice of a minor, and Environmental Science enable you to customize your degree according to your specific career interests. The Allied Health concentration prepares students who plan to pursue careers in medicine, dentistry, veterinary science, or medical research.

Gain Real-World Experience

Research, internships, study abroad, and co-curricular opportunities take you out of the classroom to broaden your education and perspective. Students conduct an independent research project in their senior year based on the research proposal they prepare in their junior year. Rivier students have interned at pharmaceutical companies, biotechnology firms, medical facilities, and a variety of other locations. Faculty-led trips and study abroad place you in the field and provide hands-on experience. The Biology Club, Beta Beta Beta (national biological honor society), and other campus events and activities enrich your education.

Begin Your Career

With your B.S. in Biology, you'll be prepared to start a career in the sciences or pursue graduate studies in medicine, dentistry, pharmacy, and other fields. Graduates enjoy careers as:

- Doctors, veterinarians, and pharmacists
- Research scientists and laboratory technicians
- Clinical trial directors and pharmaceutical professionals
- Disease control specialists
- Environmental scientists

36,000 sq. ft.
cutting-edge Science & Innovation Center

90+ years
of educational excellence

100%
of students receive financial aid

95%
of students complete internships, field experiences, or service learning programs

Journeys of Transformation

Rivier University's core curriculum, titled ***Journeys of Transformation***, aligns with the American Association of College & Universities essential learning outcomes. Coursework focuses on developing strong intellectual and practical skills for workforce success, and offers opportunities for service learning, servant leadership, and civic engagement to enhance leadership abilities.

Major Requirements

BIOLOGY CORE

BIOL 103	General Biology I
BIOL 104	General Biology II
BIOL 202	Genetics
BIOL 206	General Microbiology
BIOL 214	Ecology
BIOL 390	Seminar in Biology
BIOL 426	Special Problem in Biology

TRACK OPTIONS

Allied Health Track – *Select three courses below.*

BIOL 301	Animal Physiology
BIOL 303	Population Evolutionary Genetics
BIOL 308	Molecular Cell Biology
BIOL 312	Immunology
BIOL 385	Integrative Biotechnology
BIOL 404	Developmental Biology
BIOL 409	Parasites, Pathogens, and Infectious Diseases

Combined Biology – *Select three courses from the Allied Health and Environmental Science tracks.*

Environmental Science Track – *Select three courses below.*

BIOL 301	Animal Physiology
BIOL 303	Population and Evolutionary Genetics
BIOL 305	Animal Behavior
BIOL 308	Molecular Cell Biology
BIOL 350	Environmental and Applied Microbiology
BIOL 355	Environmental Sustainability
BIOL 385	Integrative Biotechnology
BIOL 402	Field Biology

MATH/SCIENCE REQUIREMENTS

CHEM 104/104L	General Chemistry I & Lab I
CHEM 105/105L	General Chemistry II & Lab II
CHEM 201/201L	Organic Chemistry I & Lab I
CHEM 202/202L	Organic Chemistry II & Lab II

Select two courses below:

MATH 112	College Algebra
MATH 130	Functions
MATH 165	Calculus I with Lab
MATH 166	Calculus II

The University reserves the right to make changes when appropriate and necessary as needed without notification. (0825)

Employment Promise Program

Rivier's ***Employment Promise Program*** enhances the career preparation and employability of students in all academic disciplines. The program includes mentorship through Rivier's Career Development Center and features a tailored four-year academic and professional development plan, integrating experiences that have been shown to enhance overall employability and improve job search success.

Confidence in the quality of a Rivier education enables the University to ensure invested students will secure employment within nine months of graduation. If not, the University will provide the student additional financial or educational support. Get more information at ***rivier.edu/EPP***.

You're Invited

Attend an on-campus event, or schedule an individual campus tour for you and your family. You can access a complete listing of events and register online at ***events.rivier.edu*** or call us at (603) 897-8507.

Academic Accreditation

Rivier University is accredited by the New England Commission of Higher Education (NECHE).

Quick Links

Ask a Question
admissions@rivier.edu

Talk to an Admissions Counselor
rivier.edu/team

Schedule a Visit
events.rivier.edu

Tuition & Fees
rivier.edu/tuition

Apply today! Easily apply on common app or online at **apply.rivier.edu**