Prepare to be a leader in today’s scientific world.

THE RIVIER UNIVERSITY ADVANTAGE

Rivier’s Biology program prepares you to work in exciting and emerging scientific fields with hands-on research experience and the skills and knowledge necessary to succeed in the global arena.

At Rivier, academic excellence is offered and great achievement is expected. You will transform yourself through engaging classroom interaction, powerful study abroad experiences, challenging internships, and life-changing community service. Our mission—transforming hearts and minds to serve the world—ensures that you will find a rich global experience in our vibrant campus community. Faculty members bring real-world experience to their classrooms and are dedicated to the success of every student.

ABOUT THE PROGRAM

The Bachelor of Science in Biology program ensures students gain knowledge across a variety of biological disciplines. Biology core courses help students to build a firm knowledge base upon which additional upper-level coursework can be built. Two concentrations in Allied Health and Environmental Science give students the opportunity to take courses specifically designed to provide more detailed understanding within specialized areas. The Biology program, with or without a concentration, allows students to explore minors in other disciplines such as chemistry, psychology, and business.

ACCESS THE WORLD

Research, internships, study abroad, and co-curricular opportunities

Students conduct an independent research project in their senior year as outlined in their research proposal developed in their junior year. They can join the Biology Club and participate in biology focused events and community service. Students who perform well academically also have the opportunity to be inducted into Beta Beta Beta, a national biological honor society. Biology courses are offered that include opportunities to travel to international field sites to experience firsthand and apply classroom knowledge while exploring different ecosystems. Students are strongly encouraged to participate in study abroad opportunities, as well as entire semesters spent at a university abroad.

CAREERS

A degree in Biology prepares students for many of the jobs available in the biological, environmental, and biotechnological fields. Students trained in STEM disciplines are in high demand, and Rivier University’s Biology degree provides students with the skills necessary to be competitive for employment in related careers.

*Graduates from the Biology degree program might pursue a career with or in:*

- Biological Science
- Environmental Science
- Biotechnology
- Medicine
- Veterinary Medicine
- Animal Science
- Non-governmental Organizations, both home and abroad
- Academia

Graduates are also well-prepared to pursue graduate studies in medicine, dentistry, pharmacy and other fields. Rivier University’s Career Development Center is committed to helping students on their path to become leaders in a global society.
MAJOR REQUIREMENTS

BIOLOGY CORE
- BIO 103  - General Biology I
- BIO 104  - General Biology II
- BIO 202  - Genetics
- BIO 206  - General Microbiology
- BIO 214  - Ecology
- BIO 390  - Seminar in Biology
- BIO 426  - Special Problem in Biology

BIOLOGY ELECTIVES
Students must take three courses from their chosen area of interest.

COMBINED BIOLOGY TRACK
Students may choose three courses from either the allied health or environmental science track.

ALLIED HEALTH TRACK
- BIO 301  - Animal Physiology
- BIO 308  - Molecular Cell Biology
- BIO 312  - Immunology
- BIO 404  - Developmental Biology
- BIO 409  - Parasites, Pathogens, and Infectious Diseases

ENVIRONMENTAL SCIENCE TRACK
- BIO 301  - Animal Physiology
- BIO 305  - Animal Behavior
- BIO 308  - Molecular Cell Biology
- BIO 350  - Environmental and Applied Microbiology
- BIO 355  - Environmental Sustainability

RELATED MATH/SCIENCE (REQUIRED)
- CHE 104  - General Chemistry I
- CHE 104L  - General Chemistry Laboratory I
- CHE 105  - General Chemistry II
- CHE 105L  - General Chemistry Laboratory II
- CHE 201  - Organic Chemistry I
- CHE 201L  - Organic Chemistry Laboratory I
- CHE 202  - Organic Chemistry II
- CHE 202L  - Organic Chemistry Laboratory II

TWO OF THE FOLLOWING (ONE FULLFILLED IN THE GENERAL EDUCATION AREA)
- MA 112  - College Algebra
- MA 130  - Functions
- MA 165  - Calculus I with Lab
- MA 166  - Calculus II with Lab

RECOMMENDED
- CHE 306  - Biochemistry I
- CHE 307  - Biochemistry II
- MA 110  - Introductory Statistics
- PHY 111  - Physics I
- PHY 111L  - Physics Laboratory I
- PHY 112  - Physics II
- PHY 112L  - Physics Laboratory II
- REL 379  - Bioethics

ACADEMIC ACCREDITATION
New England Commission of Higher Education (NECHE)

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The University reserves the right to make changes when appropriate and necessary as needed without notification. (0918)