

Biology

How can I succeed with this major?



RIDER
UNIVERSITY

RESEARCH & DEVELOPMENT

What can I do with this major?

- Basic
- Applied
- Quality Control
- Administration
- Grant Writing

Where do I want to work?

- Private research institutions
- Public health departments
- State and federal government
- Industry and Laboratories
- Other areas where a B.S. is required

How to get there...

- Learn to set up, operate, maintain laboratory instruments and equipment, and conduct experiments.
- Seek research experience with professors.
- Gain related experience through part-time jobs, internships, or volunteering.

BIOLOGY AREAS OF SPECIALIZATION

What can I do with this major?

- Immunology
- Ecology
- Neuroscience
- Developmental Biology
- Cell and Molecular Biology
- Genetics
- Extremophile Biology

Where do I want to work? (undergraduate degree)

- Colleges and universities
- Veterinary hospitals
- State and federal government
- Independent laboratories
- Pharmaceutical industry

How to get there...

- Seek related experience through coursework, part-time jobs, internships or volunteering.
- Conduct research or assist in research.
- Graduate school after Rider.

Tips: FYI

- A Bachelor's degree will qualify one for work as a laboratory assistant, technician, technologist, or research assistant in education, industry, government, museums, parks, and gardens.

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EDUCATION

What can I do with this major?

- Teaching
- Research

Where do I want to work?

- Two-year community colleges/technical institutes
- Four-year institutions
- Professional schools
- Elementary and secondary schools

How to get there...

- Obtain certification/licensing for teaching in public schools.
- Acquire a master's degree for community college teaching and a Ph.D. for colleges and universities.

HEALTHCARE

What can I do with this major?

- Occupational Therapy
- Physical Therapy
- Physician Assistant
- Nursing
- Medicine
- Dentistry
- Optometry
- Podiatry
- Pharmacy

Where do I want to work? (graduate degree)

- Hospitals
- Medical centers and clinics
- Nursing homes
- Private practice
- Armed services
- Government agencies

How to get there...

- Plan on attending medical school or other related graduate program.
- Maintain an outstanding grade point average, particularly in the sciences.
- Secure strong faculty recommendations.
- Meet with a pre-health advisor periodically.

Advice from professors

- A student who successfully completes the biology major is well prepared to enter professional or graduate school.
- Students are expected to acquire factual knowledge, technical and analytical skills, and writing and speaking competence.
- Juniors and seniors who have a GPA of at least 3.0 are encouraged to perform independent research in the laboratory of a faculty member.

FOR MORE INFORMATION

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