

BIOLOGY

Biology, the scientific study of life and living organisms, is a very broad field that ranges in scale from molecules to ecosystems. Faculty in the Biology Department at King's College are active researchers across the full breadth of biology, including cell and molecular biology, microbiology, neuroscience, ecology, and paleontology. We have the expertise, state-of-the-art lab facilities, field equipment, and personal attention to help our students succeed in any area of biological science.

Our flexible curriculum exposes students to all areas of biology during the introductory courses and gives them the freedom to specialize during their junior and senior years. Also, this is King's College, so our small classes and laboratories mean students get to know their professors, and professors get to know their students. Similarly, we help students build strong transferable skills in areas like critical thinking and communication in addition to scientific knowledge and research skills.

Experience-based learning

The biology curriculum reflects our deep commitment to doing biology rather than just learning about it. Students conduct research projects in nearly every laboratory course, and all of our students have the opportunity to conduct research projects with our faculty. Many students conduct independent research projects for multiple semesters and present their findings at conferences or co-author published research articles.



Careers in Biology

Career paths for our graduates are as broad as the field of biology. Careers in health sciences are among the fastest growing in the country. Because technology is rapidly changing our ability to study living organisms, fields such as Biotechnology, Genetics, and Forensic Science are also growing areas of research and employment. Our graduates earn entry-level research positions, though a career in research often requires an M.S. or Ph.D. degree. Our program helps prepare students for graduate programs in life science or the health professions, a career in education, and a wide range of other employment opportunities.

Placement Highlights

Our department prides itself on the fact that our students not only learn biology, but they do biology. For example, recent graduates are pursuing advanced degrees at these and other prestigious schools:

- Penn State University, College of Medicine (Hershey) and Department of Entomology
- Ross University, School of Veterinary Medicine
- University of Buffalo, School of Medicine
- University of Pennsylvania, Schools of Medicine and Veterinary Medicine
- University of Pittsburgh, School of Dental Medicine
- University of Wyoming, Department of Plant Sciences

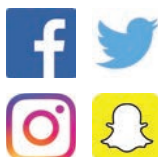
To learn more about majoring in Biology at King's College, please contact the Office of Admission at 1-888-KINGS PA or admissions@kings.edu.

Biology (120 Credit Hours - General Track)

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

| 1 st Year - Fall | | cr. | 1 st Year - Spring | | cr. |
|---|--|-----|--|--|-------|
| BIOL 113 Evolution & Diversity | | 3 | BIOL 210 Organisms & Their Ecosystems | | 3 |
| BIOL 113L Evolution & Diversity Lab | | 1 | BIOL 210L Organisms & Their Ecosystems Lab | | 1 |
| CHEM 113 General Chemistry I | | 3 | CHEM 114 General Chemistry II | | 3 |
| CHEM 113L General Chemistry I Lab | | 1 | CHEM 114L General Chemistry II Lab | | 1 |
| Core Course | | 3 | MATH 125 Calculus | | 4 |
| Core Course | | 3 | Core Course | | 3 |
| HCE 101 Holy Cross Experience | | 1 | | | |
| | | 15 | | | 15 |
| 2 nd Year – Fall | | | 2 nd Year – Spring | | |
| BIOL 213 Cell & Molecular Biology | | 3 | BIOL Elective | | 3 |
| BIOL 213L Cell & Molecular Biology Lab | | 1 | BIOL 270 Sophomore Seminar | | 1 |
| CHEM 241 Organic Chemistry I | | 3 | CHEM 242 Organic Chemistry II | | 3 |
| CHEM 241L Organic Chemistry I Lab | | 1 | CHEM 242L Organic Chemistry II Lab | | 1 |
| MATH 128 Intro. to Statistics & Data Analysis | | 4 | Core Course | | 3 |
| Core Course | | 3 | Core Course | | 3 |
| | | 15 | | | 14 |
| 3 rd Year – Fall | | | 3 rd Year – Spring | | |
| PHYS 111 Physics for the Life Sciences I | | 3 | PHYS 112 Physics for the Life Sciences II | | 3 |
| PHYS 111L Physics for the Life Sciences I Lab | | 1 | PHYS 112L Physics for the Life Sciences II Lab | | 1 |
| BIOL Elective | | 3 | BIOL Elective | | 3 |
| BIOL 370 Junior Seminar | | 2 | BIOL Elective Lab | | 1 |
| Core Course | | 3 | Core Course | | 3 |
| Core Course | | 3 | Free Elective | | 3 |
| | | 15 | Free Elective | | 2-3 |
| | | | | | 16-17 |
| 4 th Year – Fall | | | 4 th Year – Spring | | |
| BIOL 490 or RIC Elective with lab | | 4 | BIOL 470 Senior Seminar | | 1 |
| Core Course | | 3 | BIOL Elective | | 3 |
| Core Course | | 3 | BIOL Elective Lab | | 1 |
| Core Course | | 3 | Core Course | | 3 |
| Free Elective | | 3 | Free Elective | | 3 |
| | | 16 | Free Elective | | 3 |
| | | | | | 14 |
| Total Credits Required for Graduation = 120 | | | | | |



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