ABOUT THE B.S. IN BIOLOGY

Your biology degree from St. John's provides you with both breadth and depth in the study of modern biology. Three introductory courses provide a strong background in the major disciplines of biology. You then choose from more specialized courses in areas such as molecular biology, biochemistry, neuroscience, bioinformatics, physiology and ecology. Students take two years of chemistry, one year of physics and one year of mathematics. You may also select a five-year combined B.S./M.S. degree in biology, saving one year on the separate B.S. and M.S. programs. Research opportunities are available in the laboratories of our accomplished faculty members. St. John's offers excellent pre-health career advisement and, for highly motivated students, a Premedical Track in Biomedical Sciences program.

WHAT CAN I DO WITH A BIOLOGY B.S. DEGREE?

While biology is an ideal major for those interested in health professions such as medicine, dentistry, public health or veterinary medicine, there is a wide variety of other career paths available to biologists. Opportunities are growing in science teaching, research, industry and environmental careers. Biologists with an interest in law have many opportunities in patent law, as well as in forensics and criminal investigation. Biologists with an interest in art often go into medical illustration, bioanimation and films.

The explosion of data resulting from our newfound ability to sequence genomes has led to unprecedented opportunities in research. DNA sequence information is leading to rapid new discoveries in evolution, including human evolution and infectious disease. With expertise in biology, you can solve the mysteries of microbial diseases and invent new treatments for them, as well as for cancer and other diseases. We are now at the threshold of being able to sequence the DNA of each individual patient, ushering in a new age of personalized medicine.

Biological research is also required for understanding important emerging diseases in wildlife and dealing with the ecological problems and opportunities presented by growing human populations. Feeding these populations effectively requires research into better methods of agriculture. In order to feed the world, the expertise of botanists and other agricultural experts will be called upon.

Recent graduates have landed exciting jobs in areas that include:

- Biomedical research
- Public health
- Bioinformatics
- Molecular biology
- Microbiology and immunology
- Forensics and criminal investigation
- Biophysics
- Marine biology
- Science writing
MESSAGE FROM THE PROGRAM DIRECTOR
The Bachelor of Science degree in Biological Sciences offers a rigorous and exciting academic environment, developing both the practical skills and the intellectual abilities and habits of critical thinking that make our students attractive to a wide variety of employers in the public and private sectors. Many of our students go on to postgraduate studies in medicine, dentistry, veterinary medicine and other health professions. Others go to top-rated graduate schools to earn master’s degrees and doctorates. Many of our faculty members are internationally known for their research, and they bring this cutting-edge experience to the classroom. Your biology program at St. John’s will prepare you for a future of exciting opportunities.

Ales Vancura, Ph.D.
Department Chair
(718) 990-6288
vancuraa@stjohns.edu

ACADEMIC SERVICE-LEARNING AND GLOBAL STUDY
Your St. John’s University education opens up a world of opportunities for you to put your education into meaningful action. Academic Service-Learning (ASL) takes you into communities close to home or abroad. With ASL, you have a chance to explore the causes of poverty and social injustice, working toward developing solutions in ways reflective of St. John’s Catholic and Vincentian mission. For more about ASL, please visit www.stjohns.edu/faith/visa/learning

At St. John’s University, you also have a chance to study abroad in any number of our Global Studies Programs. You can take our course on evolution in the Galapagos Islands (where Charles Darwin made discoveries that led to his theory of evolution) or a course on ecology held on the island of Bermuda. For more about our study abroad programs, please visit www.stjohns.edu/academics/international

SCHOLARSHIPS AND FINANCIAL AID
St. John’s University strives to place an outstanding higher education within the financial reach of all qualified applicants. Over $500 million in aid is awarded annually through the Office of Student Financial Services. The Office of Admission awards University academic scholarships to eligible students. These scholarships are highly competitive and available to students whose academic achievements and personal commitment display the values, compassion and pursuit of excellence which embody the spirit of the University. For more information about financial aid and scholarships, please visit www.stjohns.edu/services/financial

PROGRAM INFORMATION AND APPLICATIONS
Ales Vancura, Ph.D.
Department Chair
www.stjohns.edu/bioscience

Office of Undergraduate Admission
www.stjohns.edu/admission/undergraduate

Undergraduate Bulletin
www.stjohns.edu/academics/undergraduate/bulletin

A combined bachelor’s and master’s degree option is available for this program. For more information, please visit www.stjohns.edu/liberalarts/combined