

## BIOLOGY



**NO. 7**

U.S. News & World  
Report 2020



### WHY STUDY **BIOLOGY** AT BRYANT?

*Research and experiential learning opportunities offered through our integrative and applied Biology program prepare you to excel in your chosen path.*

- ▶ Accomplished educators guide you as you *create your path* in one of the five tracks of our Biology major: General Biology, Cellular and Molecular Biology, Pre-Health, Research Intensive, or Ecology and Conservation.
- ▶ From your first year, you have access to lab equipment reserved for graduate students at larger schools and the *ability to collaborate with a faculty mentor* on research that you publish and present at national conferences.
- ▶ *Join graduates succeeding* in medical, dental, and pharmacy schools; doctoral programs; and in health sciences careers. Special agreements guarantee you interviews with Western New England School of Pharmacy and Bryant's Physician Assistant programs.

#### **KRISTIE VOSWINKEL '18**

*Master of Physician Assistant Studies  
Candidate, Massachusetts College of  
Pharmacy and Health Sciences*



**MAJOR:** Biology, Pre-Health Track

**MINOR:** Management

**HOMETOWN:** Newtown, CT

**PATH:** Medical Internship at the National Hospital of Traditional Medicine in Hanoi, Vietnam; Division I Lacrosse Player; NEC Academic Honor Roll; representative of the Biology program on the College of Arts and Sciences Dean's Advisory Council; Student Athlete Advisory Committee member; Research Assistant working with Professor Dan McNally; studied abroad in Australia.

*"At Bryant, you get a lot of opportunities that you wouldn't get at a larger science school. That came from the relationships that I built with my professors, who all know me on a first-name basis. The faculty really knows how to shape the curriculum to the current issues in medicine."*

## INSPIRING FACULTY

Our Biology faculty explore diverse fields of expertise, including bacterial biochemistry, drug discovery, immunology, environmental contaminants and their effects on the ecosystem, and statistics and modeling. They work together to create unique interdisciplinary projects for you. The program features Pre-Health advising and a cross-disciplinary faculty team that guides students in the areas of health care and the environment. On-going mentoring continues even after you graduate.

### THE BIOLOGY FACULTY INCLUDES:

- A professor who, with a team of undergraduates, has developed a family of more than 40 potent antibacterial compounds that hold promise in the fight against drug-resistant bacterial infections.
- A paleobiologist who has written or co-written more than 50 peer-reviewed scientific journal articles, books, and book chapters.
- A recipient of a National Science Foundation grant for collaborative research in computational neuroscience.
- A dedicated team of award-winning researchers, authors, and mentors.
- A molecular biologist studying hox genes in cancer development.

*“My professors were helpful in finding job and job-shadowing opportunities within my field, as well as anything regarding applications and admissions to dental school.”*

#### ARTUR JAKUBOWSKI '19

D.D.S. Candidate  
UTHealth School of Dentistry

### Among Our Distinguished Faculty:



**KIRSTEN HOKENESS, Ph.D.**  
Professor of Science and Technology,  
Biology Department Chair

- Fields of interest include immunity, health, and disease.
- Awarded research funding from RI IDeA Network for Excellence in Biomedical Research.
- Recipient of Providence Business News 40 Under Forty award recognizing excellence in her field and community involvement.

#### KAI-LOU YUE '20

Medical school applicant



**MAJOR:** Biology, Pre-Health Track

**MINOR:** Business Administration

**HOMETOWN:** Westford, MA

**PATH:** Research in the Orthopedic Oncology department at Massachusetts General Hospital and in the Bryant Microbial Glycomics Lab, resulting in author credits on two research papers prior to senior year; President of Student Honors Council; Vice President of Badminton Club; Treasurer of Dragon Dance Team; member of Sigma Xi Scientific Research Honor Society and Omicron Delta Kappa National Leadership Honor Society, 2020 NRHC Student of the Year.

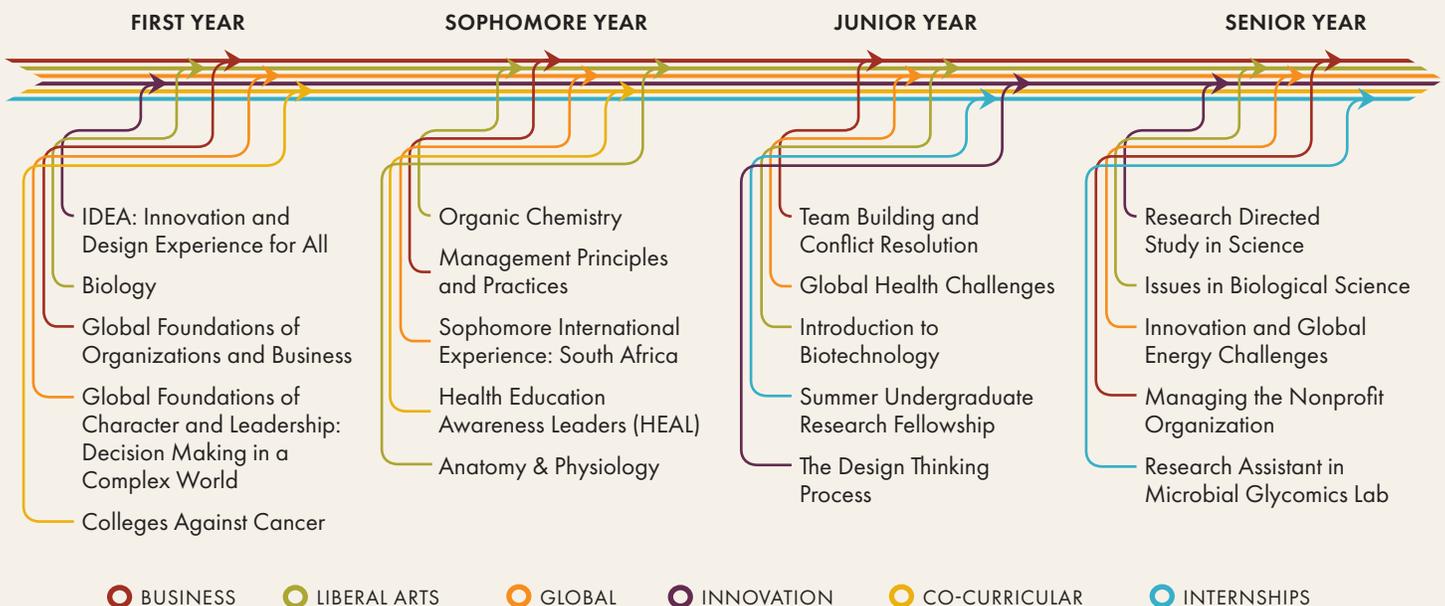
*“The faculty has given me so much advice and guidance with everything from my classes each semester to summer internships. Small classes and set office hours mean it’s easy to meet professors and form connections. Additionally, the connection between the College of Arts and Sciences and the College of Business pushed me to develop skills and gain experiences I would not have gotten otherwise.”*

## DESIGNED FOR YOUR SUCCESS

Bryant's innovative educational experience is focused on one central objective – preparing you for success. Bryant is recognized nationally for integrating business and the arts and sciences to provide students with a powerful combination of highly marketable skills. With a strong emphasis on experiential learning, your Bryant education will include opportunities for internships, consulting, participation in national conferences and competitions, social entrepreneurship, and study abroad. Bryant's inspiring and purposeful student life is designed to enhance your learning and real-world credentials.

**BIOLOGY MAJORS CHOOSE ONE OF FIVE TRACKS: GENERAL BIOLOGY, CELLULAR AND MOLECULAR BIOLOGY, PRE-HEALTH, RESEARCH INTENSIVE, OR ECOLOGY AND CONSERVATION.**

Here's an abbreviated sample path to success:



### KATHLEEN GONZALEZ '18

MS Forensic Science Candidate  
University of New Haven,  
West Haven, CT



**MAJOR:** Biology

**MINOR:** Business Administration,  
French, Psychology

**HOMETOWN:** Providence, RI

**PATH:** Omicron Delta Kappa National Leadership Honor Society; Phi Sigma Iota Foreign Language Honor Society; IDEA Mentor; Study Abroad, France; Multicultural Student Union; Senior Advisory Committee, Student Government; MyPATH Mentor; 4MILE Peer Counselor; Marketing Intern, Saveur du Jour; Summer Undergraduate Research Fellow, RI-INBRE SURF; Intellectual Entrepreneur in French Award; Black & Gold Award.

*“What I really loved about Bryant’s Biology program is how personalized it is and how you’re able to build a one-on-one connection with the faculty. They really want to see students be as successful as they can be, even after graduation.”*



## BRYANT BIOLOGY GRADUATES ARE IN DEMAND

*In business, government agencies, and nonprofit organizations including:*

- > ALEXION PHARMACEUTICALS
- > BOSTON CHILDREN'S HOSPITAL
- > BRIGHAM & WOMEN'S HOSPITAL
- > EPIVAX, INC.
- > HANNA INSTRUMENTS
- > MASSACHUSETTS GENERAL HOSPITAL
- > MEDTRONIC
- > NIKE
- > REVITALIZE CDC
- > RODAN + FIELDS
- > SOUTHPARK INTERNAL MEDICINE
- > SPAULDING REHABILITATION HOSPITAL
- > TAKEDA
- > TUFTS UNIVERSITY
- > UCHEALTH
- > UNIVERSITY OF ROCHESTER MEDICAL CENTER
- > WARREN ALPERT MEDICAL SCHOOL OF BROWN UNIVERSITY

*In leading graduate programs including:*

- > Bryant University Master of Physician Assistant Studies Program
- > Clarkson University Master's Degree Program
- > Duke University Second Degree Accelerated Nursing Program
- > Lipscomb University Pharmacy Doctoral Program
- > Massachusetts College of Pharmacy and Health Science
- > New York Institute of Technology
- > New York University Second Degree Accelerated Nursing Program
- > Northeastern University Biology Ph.D. Program
- > Syracuse University
- > Uniformed Services University School of Medicine
- > University of Birmingham, UK, Medical School
- > University of New Haven Forensic Science Program
- > University of Pennsylvania Master's Degree Program
- > University of Rhode Island Pharmacy Doctoral Program
- > UTHealth Dental School
- > University of Toledo Molecular Biology Ph.D. Program

## WHAT SETS BRYANT'S PROGRAM APART?

### 1 *Meaningful, Mentored Learning Opportunities*

- Benefit from one-on-one mentoring and guidance from our inspiring expert faculty.
- Start working toward attaining direct patient contact hours required for some post-graduate programs by taking an EMT course as early as freshman year.
- Closely collaborate with a faculty member on research that you'll have the opportunity to publish and present at regional and national conferences, something only available to graduate students at larger schools.
- Participate in 10-week, paid summer fellowships and engage with scientists at other area universities and research hospitals on real-world research funded by the National Science Foundation, National Institutes of Health, and NASA.

### 2 *Facilities That Make a Difference*

- From your first year, you have access to laboratory equipment that is unheard of at larger schools.
- Learn in our 8,300-square-foot complex that includes wet labs and six individualized research labs.
- Enhance your research through the use of equipment such as a scanning electron microscope, a rotary microtome, compound and dissecting microscopes, a fully equipped molecular geochemistry lab with two fume hoods, and more.



### 3 *Real-World Outcomes*

- The quality of our Biology program results in a large percentage of graduates going on to top graduate and pre-professional schools.
- Special agreements guarantee you interviews with Western New England School of Pharmacy and Bryant's Physician Assistant programs.
- Graduates of our multiple-track program are prepared for a wide array of opportunities including careers in the health sciences, biomedical research, physical therapy, biotechnology, pharmaceutical science, environmental biology, food science, and industrial research.



To learn more about Biology or other programs at Bryant, please contact:

Office of Admission • 401.232.6100 • 800.622.7001 • admission@bryant.edu