JOIN OUR COMMUNITY OF SCHOLARSHIP AND RESEARCH
Join the Department of Biology at Villanova for research training and advanced coursework in a broad range of the biological sciences. The graduate programs in Biology will prepare you for a life of continuing inquiry and are built on the principle that science is an ongoing human endeavor that encompasses research, learning and teaching. Our graduate programs seek to build a diverse, intellectual community that enhances the scholarship of all members.

CHOOSE YOUR COURSE OF GRADUATE STUDY

**Master of Science in Biology**
- Degree requires 30 credits, including a minimum of 20 in coursework and the remainder in thesis research
- Research available in all areas of biology
- Program culminates with an original written thesis that you will prepare under the direction of a faculty mentor and two additional committee members
- General GRE required; subject GREs recommended

**Master of Arts in Biology**
- Degree requires 33 credits, with no thesis requirement
- You may choose a concentration in Cell, Molecular and Developmental Biology (CMDB) or Ecology, Evolution and Organismal Biology (EEOB)
- Research available in all areas of biology
- Program culminates in a comprehensive written and oral examination
- General GRE required; subject GREs recommended

**Certificate Programs**
If you do not wish to pursue the full master’s degree, but want to develop a particular skill set or explore further options for study, you may choose one of our graduate certificate programs. You may also choose to apply to the master’s degree program after completing a certificate. You may complete the certificate programs on a full or part-time basis, and coursework generally focuses on one of two areas, CMDB or EEOB. The Certificate of Graduate Study requires 16 credit hours, including at least three lab courses. The Certificate of Advanced Graduate Study requires 24 credit hours, including at least four lab courses.

WHAT OUR STUDENTS SAY
“...The faculty at Villanova are incredibly accomplished and passionate about their field, and are respected members of their scientific communities. After seeing them excel in both research and teaching, I look to them as examples of the kind of scientist I want to be in my career.”
— Emily Geoghegan ’19 MS

WHEN PASSION LEADS, SUCCESS FOLLOWS

gradartsci.villanova.edu
Explore Our Curriculum

Recent course offerings include:

- Advanced Bacteriology
- Biodiversity and Systematics
- Biology of Aging
- Biomechanics
- Biostatistics and Experimental Design
- Cancer Biology
- Directed Research
- Ecosystem Ecology
- Endocrinology
- Functional Morphology
- Genomics
- Imaging Technology
- Immunology
- Molecular Evolutionary Genetics
- Neurophysiology
- Pharmacology, Experimental Cell/Molecular Methods
- Plant Ecophysiology
- Reptile Evolution
- Stem Cells
- Thesis Research

You will find a complete list of courses at gradbio.villanova.edu.

Research with Our Distinguished Faculty

ANIL K. BAMEZAI, PHD
All India Institute of Medical Sciences, Delhi, ’87

AARON M. BAUER, PHD
University of California, Berkeley, ’86

SAMANTHA CHAPMAN, PHD
Northern Arizona University, ’05

ROBERT L. CURRY, PHD
University of Michigan, ’87

ANGELA J. DIBENEDETTO, PHD
Cornell University, ’89

RUSSELL M. GARDNER, PHD
Indiana University Medical Center, ’75

VIKRAM K. IYENGAR, PHD
Cornell University, ’01

TODD JACKMAN, PHD
University of California, Berkeley, ’93

JANICE E. KNEPPER, PHD
Brown University, ’79

ADAM LANGLEY, PHD
Northern Arizona University, ’05

JOHN OLSON, PHD
University of Michigan, ’90

MICHAEL RUSSELL, PHD
University of California, Berkeley, ’90

LOUISE A. RUSSO, PHD
Penn State Hershey Medical Center, ’87

TROY R. SHIRANGI, PHD
Brown University, ’07

ALYSSA Y. STARK, PHD
University of Akron, ’14

R. KELMAN WIEDER, PHD
University of West Virginia, ’82

JAMES W. WILSON, PHD
Columbia University, ’98

DENNIS D. WYKOFF, PHD
Stanford University, ’99

ELAINE M. YOUNGMAN, PHD
Johns Hopkins School of Medicine, ’07

MATTHEW J. YOUNGMAN, PHD
Johns Hopkins School of Medicine, ’07

FOR MORE INFORMATION OR TO APPLY:
610.519.7424 | GRADBIO@VILLANOVA.EDU | GRADBIO.VILLANOVA.EDU