The biology department’s mission is to develop students’ scientific reasoning and abilities through immersion in hands-on experiences throughout the curriculum in and out of the classroom. Biology majors don’t just learn facts about living things, they learn how to be scientists. This means they can often be found in the lab and in the field, actively engaged in research with faculty. Our flexible curriculum allows students to change directions and enter a number of different career paths, including the health professions, research, biotechnology, education, and conservation and environmental agencies.

OPPORTUNITIES FOR PUBLISHED WORK:
Students working in research labs have published their research in peer-reviewed scientific journals. Each year, students also publish their work in Lake Forest’s life sciences journal, Eukaryon. The student editorial board for Eukaryon is a great way to become involved in journal publishing by conducting peer reviews, editing submissions, and designing the layout for this award-winning student research journal.


PROFESSORS:
- Flavia Barbosa focuses on sexual selection and acoustic communication in insects.
- Shubhik DebBurman specializes in misfolding of alpha-synuclein protein in yeasts and implications for Parkinson’s disease.
- Karen Kirk leads the study of molecular genetics of telomere mutants in Aspergillus.
- Sean Menke specializes in biogeography and ecology in ant communities.
- Margot Schwalbe focuses on flow sensing and biomechanics in fishes.

UNIQUE SUMMER FELLOWS PROGRAM:
Biology majors may also conduct 10 weeks of paid summer research at Rosalind Franklin University of Medicine and Science, only a 10-minute drive from campus.

ZHIYU (WENDY) DENG ’15
 Majors: Biology and environmental studies
 Internship: Oak Ridge National Laboratory in Tennessee
 Major accomplishment: Presented senior thesis at the national meeting of The American Society of Cell Biology
 Currently: Working on her PhD in Biomedical Engineering at Tulane University
INTERNSHIPS: Chicago Botanic Garden • Rosalind Franklin University of Medicine and Science (RFUMS) • Northwestern Lake Forest Hospital • Illinois Bone & Joint Institute • Horsefeathers Therapeutic Riding • Lake Forest Acute Care • Horizon Pharma • The Field Museum • Shedd Aquarium • Shirley Ryan AbilityLab

CHICAGO offers unmatched opportunities for student research, internships with leading-edge organizations, and field trips to world-renowned science and natural history museums and labs. Students and faculty can collaborate on data collection and research with area institutions, including the University of Chicago, Northwestern University, Art Institute of Chicago, and Rosalind Franklin University of Medicine and Science.

Our biology majors pursue many career paths* and several joint-degree programs:

**LAW AND POLICY**
- RESEARCH

**INDUSTRY**
- NONPROFIT MANAGEMENT
- PHARMACEUTICAL SALES
- BIOTECHNOLOGY
- CONSERVATION AND ENVIRONMENT
- VARIOUS HEALTH PROFESSIONS

**SECOND MAJOR OR MINOR:**
- ELEMENTARY OR SECONDARY TEACHER
- PHARMACEUTICAL RESEARCH, PHARMACIST
- BIOTECH CORPORATE MANAGEMENT
- PHYSICIAN, NURSE, PATIENT ADVOCATE
- SCIENTIFIC ILLUSTRATOR
- ENVIRONMENTAL MONITORING AND POLICY
- HOSPITAL ADMINISTRATION

**CAREER:**
- LAW AND POLICY
- RESEARCH

- INDUSTRY
- NONPROFIT MANAGEMENT
- PHARMACEUTICAL SALES
- BIOTECHNOLOGY
- CONSERVATION AND ENVIRONMENT
- VARIOUS HEALTH PROFESSIONS

*Nearly half of biology graduates choose to pursue graduate and professional school upon graduation. Master’s degrees allow for greater specialization in a field and more opportunities in research and administration. Doctoral degrees are necessary for advanced research and administrative positions, university teaching, and independent research. Professional degrees and licenses also are necessary to practice in some health care-related fields.

Combine biology with another area of study for a variety of careers:

Learn about our accomplished faculty, requirements for the major, and more at lakeforest.edu/academics/biology