



**DOMINICAN
UNIVERSITY**
of CALIFORNIA
1890



MASTER OF SCIENCE BIOLOGICAL SCIENCE

FIND YOUR INSPIRATION

The **Master of Science in Biological Sciences (MS-BIO)** is a research intensive program designed to address one of the most important topics of our times. The program's goal is to train students for scientific careers focused on biomedicine, including understanding the aging process, as well as detecting, preventing, and treating age- and metabolic-related conditions such as Alzheimer's, Parkinson's disease, cancer, stroke, and arthritis.

Dominican University gives you a set of experiences that can't be found anywhere else. As a graduate student in biology, you will experience a dynamic, one-of-a-kind program that combines coursework with hands-on laboratory experience.



ENVISION THE PROCESS

LEARNING WITH EXPERIENCED FACULTY: You will benefit from small classes taught by outstanding faculty members from Dominican University, the Buck Institute and BioMarin Pharmaceutical. You will also work directly with scientists and conduct research at Dominican, the Buck Institute, and BioMarin Pharmaceutical laboratories in Marin County. Dominican students have unprecedented access to networking opportunities with these institutions as well as other companies and institutes that use our on-campus lab space, such as Graphene Technologies and Xgene Corporation.

You will graduate from Dominican's Master of Science in Biological Sciences with an in-depth understanding of biological topics pertaining specifically to your research; the skills to conduct original scientific research; an ability to analyze and communicate your findings at conferences and in peer-reviewed publications; the academic credentials to continue your graduate studies at the doctorate level; and the professional credentials to pursue a rewarding career in scientific research.

IMAGINE CAREER POSSIBILITIES: Students in this program will be trained as scientists in interdisciplinary research encompassing genetics, biochemistry, molecular biology, cell and developmental biology, neurobiology, environmental sciences and disciplines of biotechnology including genomics, proteomics, protein interaction networks and bio-informatics.

PROGRAM FAST FACTS

LENGTH:

2 years

FORMAT:

36 units, weekday on-campus classes and on-site laboratory hours

PRE-REQUISITES:

Two semesters calculus

Two semesters physics

Two semesters organic chemistry

One semester biochemistry

One semester statistics



Visit www.dominican.edu/gradprograms for additional program information.

CONTACT US

For more information, or to arrange a campus visit, contact the Office of Admissions at **888-323-6763** or **415-485-3204**, or email us at graduateprograms@dominican.edu
We look forward to working with you.

CURRICULUM

BIO 5001/5002/5003/5004 Graduate Seminar (1 unit each)

BIO 5100 Graduate Research Methodology (3 units)

BIO 5200 Advanced Molecular Biotechnology (3 units)

BIO 5300 Advanced Biochemistry (3 units)

BIO 5400 Graduate Special Topics (3 units)

Examples include:

Cancer Biology

Stem Cell Biology

Geroscience

BIO 5701/5702/5703/5704 Graduate Research (17 units)

BIO 5901 Master's Thesis Research (3 units)

Total units: 36

FINANCIAL AID

A limited number of scholarships are available to MS in Biology graduate students at the discretion of the faculty program director and in coordination with other forms of financial aid. Scholarships are awarded per academic year and recipients must be enrolled as a full-time student (9 units each semester).

Additionally, students may be eligible for a full-time training assignment at Dominican University of California, the Buck Institute or BioMarin, with an accompanying scholarship payment paid directly to the student by the Buck Institute or BioMarin. Students electing this option will be required to train full time at the Buck Institute or BioMarin in the periods between academic semesters, in addition to the academic semester laboratory training.

For information on the cost of tuition as well as instructions for applying for financial aid, scholarships, and grants, please visit us online at

www.dominican.edu/admissions/aid

ADMISSION DEADLINES AND REQUIREMENTS

Applications for MS Bio must be received by March 15 for Fall admission. Admissions decisions are announced in May.

Visit www.dominican.edu/admissions for complete application requirements.

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