

DIVISION OF ARTS AND SCIENCES

Biology

Make your opportunity.

If you're seeking a solid scientific background that will prepare you for a wide range of fulfilling and rewarding health, science, pharmaceutical and education careers – or allow you to move on to further healthcare education – the Bachelor's in Professional Studies (BPS) in Biology at Trocaire is the answer.

When you complete the core courses and electives, you'll graduate with the fundamental natural science skills you need to succeed. Plus, you can customize your education by taking courses in various focus areas such as **Public Health** or **Biological Research**, or pursue a **pre-med pathway**.

What does it take to succeed in this field?

Biology demands creativity and a high level of curiosity. If the concept of being able to draw on a variety of disciplines and skills, such as chemistry, mathematics, and statistics, as well as being open to change and innovation speaks to you, biology is the degree for you.

What careers will this degree prepare you for?

A biology degree can lead you to near-limitless career paths and graduate school options. Depending on the specialty you choose, your job opportunities can be just as wide open.

What are the admission requirements?

Applicants must meet the College's general admissions requirements, and they may enter with any amount of transfer credit.

- High School Diploma (minimum 75% average) or HSE (High School Equivalency) diploma
- Transfers need a minimum cumulative GPA of 2.0. To receive transfer credit for a course, a minimum grade of C is required
- Official transcripts from high school and all colleges attended

A Bachelor of Professional Studies (BPS) in Biology, will fully prepare you for careers in science and medical research, pharmaceutical science and sales, health education, laboratory science and more. You'll also be poised to continue your education in graduate or professional programs.



Contacts:

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Biology: Curriculum

Degree Levels: BPS Baccalaureate

Time to Completion: Variable

Time of Program: Day/Evening

Mode of Delivery: On-campus/Online

Semester 1

Human Biology or Anatomy or Physiology I
English Composition
College Seminar or Introduction to Health Professions
College Algebra
General Psychology

Semester 2

Medical Terminology
General Biology I
General Biology I Laboratory
General Chemistry I
General Chemistry I Laboratory
Free Elective
Principles of Sociology

Semester 3

Cellular and Molecular Biology
Biology Elective
Biochemistry
Free Elective
Statistics I

Semester 4

Microbiology
Microbiology Laboratory
Epidemiology
Biology Elective
Introduction to Data Science
Free Elective

Semester 5

Biotechnology Methods and Techniques
Biology Elective
Free Elective
Free Elective
Health Psychology

Semester 6

Biology Elective
Free Elective
Research Methods and Designs
Ethics in Data Science
Sociology Of Health And Medicine

Semester 7

Independent Research
Free Elective
Free Elective
Free Elective
Free Elective

Semester 8

Biology Capstone Seminar
Free Elective
Free Elective
Free Elective
Free Elective

In keeping with the mission, values and traditions of Trocaire College, all students **must complete at least one (1) Mercy Action Project learning experience prior to graduation.** MAP is a tuition-free, non-credit, value-added, co-curricular learning experience that provides service opportunities that integrate the College's mission through an action-reflection approach connecting service to your career path.

Immunizations/Physicals: Updated medical records from within one year of the start of the program are required and are to be submitted prior to the start of the semester.