



The Goodman
Faculty of Life Sciences
Bar-Ilan University

B.Sc. in Life Sciences

Life Sciences is a dynamic field exploring living organisms from molecular interactions to ecosystem dynamics. Students will investigate molecular biology, genetics, biotechnology, and human physiology, gaining insights into fundamental life processes and preparing for innovative careers in medicine, environmental conservation, and biotechnology.

In cooperation with the university's International School, we offer a program of B.Sc. in Life Sciences, designed for new immigrants and international students. The first year is conducted entirely in English, providing a supportive academic environment that eliminates language barriers. Starting in the second year, students integrate with the regular Hebrew-speaking cohort, facilitating cultural exchange and language development.

First Year (Taught in English)

semester A

- General Biology 1
- General Physics 1
- General Chemistry 1
- Mathematics 1

Semester B

- General Biology 2
- Cell Biology
- General Physics 2
- Physical Chemistry
- Mathematics 2
- Organic Chemistry 1
- Zoology – Laboratory

Dr. Ilana Loinger, Undergraduate Academic Advisor

Phone: 03-5317970 | Email: ilana.loinger@biu.ac.il



Impacting tomorrow, **today.**

life-sciences.biu.ac.il

Second Year (Taught in Hebrew)

semester A

- Introduction to Ecology (taught in English)
- Introduction to Animal Physiology
- Laboratory in Biochemistry
- Biochemistry 1
- General Genetics
- Biostatistics

Select 2 laboratories from:

- Physiology of the Human Body Systems-Laboratory
- Laboratory in Microbiology
- Introduction to Ecology-Laboratory

Semester B

- Plant Physiology
- Physiology of Human Systems
- Introduction to Immunology
- Molecular Biology 1 (taught in English)
- Laboratory in Molecular Biology
- General Microbiology
- Biochemistry 2
- Introduction to Scientific Writing and Reporting

Third Year (Taught in Hebrew)

semester A

- Molecular Biology 2
- Structure and Functionality of the Cell
- Virology
- Challenges of Modern Biology

Semester B

- Seminar
- Bioinformatics
- Challenges of Modern Biology

Elective courses: over 60 elective courses are available in different exciting areas of modern biology, medicine, ecology, pharmacology, brain sciences and more.

**Changes may occur. Please verify the final program on the Faculty website*