

Biology

The Faculty of Sciences at Haigazian University offers a program leading to a Bachelor of Science degree in Biology.

Students who graduate with a degree in Biology from Haigazian University will:

- Have a broad background in the fundamental concepts of biology.
- Have knowledge and experience in the basic methods, instrumentation and quantitative analytical skills used to conduct scientific investigations in biology.
- Demonstrate critical thinking and communication skills applicable to biological concepts.

- Be able to convey biological information in both written and oral forms.
- Be able to think ethically about biological research and its social impact.
- Use intellectual scientific knowledge to conduct scientific research in biology.
- Be prepared to sit for the MCAT exam for admission to Medical School.

All students admitted as Sophomores are eligible to continue in the program, provided they obtain a cumulative average of 70 in BIO 201. BIO 201 serves as university and major requirement.

To be eligible for graduation with the degree of Bachelor of Science in Biology, a student must satisfactorily complete the prescribed program of study with a minimum of 94 credit hours after the Freshman Science Class, or its equivalent, and attain a cumulative average of 70.

The department also offers a minor in Biology, which requires 22 credits: BIO 201, BIO 202, CHY 201, CHY 206, CHY 208, and BIO 204. Students in the Division of Natural Sciences cannot declare a minor in Biology. Students minoring in Biology should complete at least 13 credits of their minor at Haigazian University and maintain a minor average of at least 70. Students minoring in Biology should score a minimum grade of 70 in BIO 201. For more details regarding minors, kindly refer to the Minors section of the catalog.

General Education (31 cr.)

Core requirements for all HU students are listed on page 58.

WRN 200 Work Ready Now 3 cr.

Core Requirements (47 cr.)

BIO 201 General Biology I (taken as university requirement)	
BIO 202 General Biology II	4 cr.
BIO 204 Introductory Biochemistry (equivalent to MLS 209)	4 cr.
BIO 207 Genetics	4 cr.
BIO 293 Seminar	1 cr.

Two Courses out of the following Biology courses:

BIO 206 Cell Biology	4 cr.
BIO 211 Plant Physiology	4 cr.
BIO 213 Ecology	4 cr.
BIO 226 Molecular Biology (equivalent to MLS 226)	4 cr.

Science Requirements

CHY 201 Chemical Principles	3 cr.
CHY 206 Quantitative Analysis	4 cr.
CHY 211 Organic Chemistry I	3 cr.

CHY 212 Organic Chemistry II	3 cr.
CHY 213 Organic Chemistry Laboratory	2 cr.
PHY 204 Classical Physics for the Life Sciences	3 cr.
PHY 205 Modern Physics for the Life Sciences	3 cr.
PHY 206 Classical Physics Laboratory for the Life Sciences	1 cr.
PHY 207 Modern Physics Laboratory for the Life Sciences	1 cr.
MLS 225 Biostatistics	

Biology Electives

(15 cr.)

BIO 203 Animal Physiology	3 cr.
BIO 209 Basic Histology (equivalent to MLS 211)	4 cr.
BIO 210 Embryology	4 cr.
BIO 214 Microbiology	4 cr.
BIO 218 Evolution	3 cr.
BIO 220 Immunology (equivalent to MLS 207)	3 cr.
BIO 221 Parasitology (equivalent to MLS 221)	4 cr.
BIO 224 Endocrinology (equivalent to MLS 203)	3 cr.
BIO 227 Virology (equivalent to MLS 227)	3 cr.
BIO 232 Clinical (Medical) Biochemistry (equivalent to MLS 202)	4 cr.
BIO 292 Special Topics in Biology	3 cr.