

The Curriculum for the MSc Degree Programme in Biophysics

First Year		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> • Molecular Biophysics • Radiation Biophysics • An Elective Course 	<ul style="list-style-type: none"> • Biophysical Methods • Cellular Biophysics • English for Academic Purposes* • Advanced Molecular Biology (Elective) 	<ul style="list-style-type: none"> • Biophysical Chemistry • Membrane Biophysics • An Elective Course • Seminar
Second Year		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> • An Elective Course • MSc Thesis Project in Biology 	<ul style="list-style-type: none"> • MSc Thesis Project in Biology 	<ul style="list-style-type: none"> • MSc Thesis Project in Biology

• Each course is worth 3 credit units.

* The **English for Academic Purposes** course is elective/required for graduation (3 credits).

• Total credits required for graduation (mandatory, elective and elective/required): **45 credits**

Mandatory Courses of the MSc Degree Programme in Biophysics

No.	Course Title	Credits
1	Molecular Biophysics	3
2	Radiation Biophysics	3
3	Biophysical Methods	3
4	Cellular Biophysics	3
5	Biophysical Chemistry	3
6	Membrane Biophysics	3
7	Advanced Molecular Biology (Elective/Required)	3
8	Seminar	3
9	MSc Thesis Project	9
Total		33

Elective Courses of the MSc Degree Programme in Biophysics

No.	Course Title	Credits
1	Bioinformatics	3
2	Cell Signaling	3
3	Computational Biophysics	3
4	Carcinogenesis	3
5	Logic and Methods of Research	3
6	Mathematical Models in Biological Patterns	3
7	Advanced Molecular Biology	3
8	Topics in Biophysics	3
9	Topics in Radiation Biology	3
10	Cell Culture*	3
11	Advanced Biochemistry of Proteins and Nucleic acids	3
12	Methods in Biophysics	3
13	Biothermodynamics	3
14	Enzymes Kinetics	3

* Students working on their thesis project in the Cell Culture Laboratory must take the “Cell Culture” course.

- Each course is worth 3 credit units.
- 9 credits (3 courses) are required from the above table.
- In special cases, students may choose their elective courses from the elective and mandatory courses of the Biochemistry Group.
- Total credits required for graduation (mandatory, elective and elective/required): **45 credits**