

**Program:**

**Biological Sciences  
(Bachelor)**

**Program Coordinator: Dr. Antonia Sophocleous**

<b>Year 1, Semester A Courses</b>		<b>Instructors / CVs</b>
BIO115	Introduction to Biology	<a href="#">Maria Kalli</a> <a href="#">Despina Hadjipanagi</a>
LFS115	General and Inorganic Chemistry	<a href="#">Eleni Moushi</a> <a href="#">Petri Papafilippou</a>
BIO135	Laboratory Calculations in Biological Sciences	<a href="#">Andreas Stylianou</a>
HEA180	Biostatistics	<a href="#">Constantinos Giannakou</a>
MAT195	Mathematics for Life Sciences	<a href="#">Kyriacos Parides</a>
HLS100	Academic Skills for Health and Life Sciences	<a href="#">Antonios Chrysargyris</a>
<b>Year 1, Semester B Courses</b>		
BIO140	Cell Biology	<a href="#">Apostolos Zaravinos</a> <a href="#">Maria Kalli</a>
LFS135	Organic Chemistry	<a href="#">Maria Kalli</a>
BIO145	Physics for Biological Sciences	<a href="#">Andreas Stylianou</a>
<b>Year 2, Semester A Courses</b>		
LFS245	Biochemistry I	<a href="#">Antonia Sophocleous</a> <a href="#">Irene Georgiou</a>
BIO200	General Microbiology	<a href="#">Pavlina Lena</a>
BIO230	Introduction to Genetics	<a href="#">Apostolos Zaravinos</a> <a href="#">Despina Hadjipanagi</a>
<b>Year 2, Semester B Courses</b>		
HEA170	Bioinformatics	<a href="#">Marianna Christodoulou</a>
BIO240	Molecular Cell Biology I	<a href="#">Maria Kalli</a>

		<a href="#">Chrystalla Antoniou</a> <a href="#">Demetra Markantoni</a>
LFS250	Biochemistry II	<a href="#">Antonia Sophocleous</a> <a href="#">Irene Georgiou</a>
HEA105	Epidemiology	<a href="#">Constantinos Giannakou</a>
BIO245	Evolutionary Biology	<a href="#">Savvas Zotos</a>
<b>Direction of "General Biology" Year 3, Semester A Courses</b>		
BIO300	Molecular Cell Biology II	<a href="#">Chrystalla Antoniou</a> <a href="#">Marianna Christodoulou</a>
BIO309	Botany and Plant Anatomy	<a href="#">Konstantinos Nikiforou</a> <a href="#">Andreas Savvides</a>
BIO318	Zoology I	<a href="#">Savvas Zotos</a>
Elective course		
BIO325	Developmental Biology	<a href="#">Marianna Christodoulou</a>
<b>Year 3, Semester B Courses</b>		
BIO330	Immunology	<a href="#">Marianna Christodoulou</a>
BIO340	General Ecology	<a href="#">Nikolas-Georgios Eliades</a>
BIO345	Zoology II	<a href="#">Savvas Zotos</a>
BIO350	Teaching Biology	<a href="#">Loucas Louca</a>
HEA190	Research Methodology	<a href="#">Irene Tzanetakou</a>
<b>Year 4, Semester A Courses</b>		
HLS400	Undergraduate Thesis I	<a href="#">Antonia Sophocleous</a>
BIO405	Medical Genetics	<a href="#">Apostolos Zaravinos</a> <a href="#">Despina Hadjipanagi</a>
Elective Course		
BIO415	Marine Biology	TBA
BIO425	Placement of Practical Exercise	<a href="#">Apostolos Zaravinos</a>

<b>Year 4, Semester B Courses</b>		
HLS420	Undergraduate Thesis II	<a href="#">Antonia Sophocleous</a>
BIO430	Plant Physiology	<a href="#">Andreas Savvides</a>
Elective Course		
Elective Course		
Elective Course		
<b>Elective Courses</b>		
* <b>Students during their studies are invited to choose 2 of the following courses of their choice.</b>		
# <b>The two English courses are selected after a test to determine the student's level of English language proficiency. If the level of English language proficiency is equivalent to successfully completing the EHL101 level of the University, then the remaining English elective courses can be replaced with free elective courses.</b>		
PHA225	Pharmacology	<a href="#">Athanasios Metaxas</a>
BIO480	Microbial Biodiversity and Ecology	<a href="#">Kalliope Georgiades</a>
LFS255	Nutrition and regulation of cellular functions	<a href="#">Irene Tzanetakou</a>
BIO352	Virology	<a href="#">Kalliope Georgiades</a>
BIO358	Environmental Education	<a href="#">Loucas Louca</a>
BIO354	Microbial Genetics	<a href="#">Apostolos Zaravinos</a>
BIO435	Bioethics in Biological Sciences	<a href="#">Loucas Nicolaou</a>
BIO319	Biotechnology	<a href="#">Antonia Sophocleous</a>
BIO360	Climate Change and Environmental Pollution	<a href="#">Andreas Savvides</a>
BIO365	Biodiversity and Environmental Conservation	<a href="#">Nikolas-Georgios Eliades</a>
BMS335	Cancer Biology	<a href="#">Vasiliki Gkretsi</a>
BMS405	Systems Biomedicine	<a href="#">Andrea Kakouri</a>
BMS430	Pathobiology	<a href="#">Vasiliki Gkretsi</a> <a href="#">Antonia Sophocleous</a>
<b>Direction of "General Microbiology"</b>		
<b>Year 3, Semester A Courses</b>		
BIO300	Molecular Cell Biology II	<a href="#">Chrystalla Antoniou</a>

		<a href="#">Marianna Christodoulou</a>
Elective course		
BIO352	Virology	<a href="#">Kalliope Georgiades</a>
BIO354	Microbial Genetics	<a href="#">Apostolos Zaravinos</a>
BIO375	Mycology	<a href="#">Agni Hadjilouca</a>
<b>Year 3, Semester B Courses</b>		
BIO380	Food Microbiology	<a href="#">Agni Hadjilouca</a>
BIO330	Immunology	<a href="#">Marianna Christodoulou</a>
BIO350	Teaching Biology	<a href="#">Loucas Louca</a>
HEA190	Research Methodology	<a href="#">Irene Tzanetakou</a>
<b>Year 4, Semester A Courses</b>		
HLS400	Undergraduate Thesis I	<a href="#">Antonia Sophocleous</a>
BIO450	Environmental Microbiology and Physiology of Microorganisms	<a href="#">Pavlina Lena</a> <a href="#">Irene Georgiou</a>
Elective course		
Elective course		
BIO425	Placement of Practical Exercise	<a href="#">Apostolos Zaravinos</a>
<b>Year 4, Semester B Courses</b>		
HLS420	Undergraduate Thesis II	<a href="#">Antonia Sophocleous</a>
BIO480	Microbial Biodiversity and Ecology	<a href="#">Kalliope Georgiades</a>
Elective Course		
Elective Course		
BIO470	Medical Microbiology	<a href="#">Maria Liatsou</a>
<b>Elective Courses</b>		
* Students are required to choose 1 of the following courses during their studies.		

**# The two English courses are selected after a placement test of the student's English language proficiency. If the English language proficiency is equivalent to successfully completing the University's EHL101 level, then the remaining English language courses may be replaced by free elective courses.**

PHA225	Pharmacology	<a href="#">Athanasios Metaxas</a>
LFS255	Nutrition and regulation of cellular functions	<a href="#">Irene Tzanetakou</a>
BIO358	Environmental Education	<a href="#">Loucas Louca</a>
BIO340	General Ecology	<a href="#">Nikolas-Georgios Eliades</a>
BIO325	Developmental Biology	<a href="#">Savvas Zotos</a>
BIO415	Marine Biology	TBA
BIO435	Bioethics in Biological Sciences	<a href="#">Loucas Nicolaou</a>
BIO319	Biotechnology	<a href="#">Antonia Sophocleous</a>
BIO360	Climate Change and Environmental Pollution	<a href="#">Andreas Savvides</a>
BIO365	Biodiversity and Environmental Conservation	<a href="#">Nikolas-Georgios Eliades</a>
BMS335	Cancer Biology	<a href="#">Vasiliki Gkretsi</a>
BMS405	Systems Biomedicine	<a href="#">Andrea Kakouri</a>
BMS430	Pathobiology	<a href="#">Marianna Christodoulou</a> <a href="#">Vasiliki Gkretsi</a>

Students of both directions of the program, attend the same basic and auxiliary courses in the first two years of their studies. The differentiation is done from the 5th semester of studies.

The General Microbiology program is based on the guidelines of the American Society of Microbiology.

\* The students of the program attend a placement test where they successfully register for the subject ENH080-English for Health Sciences II. In case of failure in the placement test they enroll in the selected subject ENH070-English for Health Sciences I during the Spring Semester and if they successfully complete their obligations in it, they enroll in ENH080-English for Health Sciences II in the next Summer Session.