

The dual-degree program with Life Science

Recommended program

Course No.	Course Name	No. of Credit	Course No.	Course Name	No. of Credit
Semester 1			Semester 2		
201-19141	Calculus C1	5.00	203-11331	Physics 1C	4.00
204-15081	General and Analytical Chemistry	5.50	204-11543	General Chemistry - Laboratory	2.00
205-19011	The Cell	2.50	204-11621	Introduction to Physical Chemistry 1	3.00
206-11031	Introduction to Mineralogy and Rocks	4.25	204-12611	Introduction to Physical Chemistry 2	2.00
206-11051	Geometrical Crystallography	1.00	205-19402	Biostatistics	5.00
206-11134	Minerals and Rocks in the Field	0.75			
153-15051	Advanced English 2	2.00	206-11041	Introduction to Dynamic Geology	3.50
299-11121	Library Orientation	0.00			
	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0.00	206-11121	Introduction to Paleontology	2.00
900-55001	Training in Chemical & Biological Safety	0.00	206-11151	Introduction to Fossils	3.25
900-52012					
	Total	21.00		Total	24.75
Semester 3			Semester 4		
201-19281	Introduction to Linear Algebra C	3.50	204-15042	Introduction to Organic Chemistry - for Life Sciences and Geology students	5.00
205-11021	Invertebrate Zoology	2.25	205-11221	Plant Science A	2.00
205-11031	Vertebrate Zoology	2.75	205-11223	Plant Science A - Lab	1.50
206-12071	Introduction To Geomechanics	2.50	206-12121	Igneous and Metamorphic Petrology	3.25
206-12181	Sedimentology	3.00	206-12191	Introduction To Geochemistry	2.50
206-12241	Mineralogy	3.00	206-12251	Mapping	4.50
206-12284	Geological Excursion to the Negev	1.00	206-12341	Basic programming for geological and environmental sciences	2.00
206-13391	Introduction to Hydrology	2.50		Track elective; Departmental elective; unrestricted credits	2.50
900-52022	Training in Chemical & Biological Safety – Refresher Course	0.00		Total	23.25
	Track elective; Departmental elective; unrestricted credits	2.50			
	Total	23.00			
Semester 5			Semester 6		
203-11431	Physics 2C (Or in Semester 7)	4.00	205-11121	Plant Physiology	3.50
205-11071	Microbiology	4.00	205-11273	Basic Lab. in Biochemistry	1.50
205-11611	Genetics A	3.00	205-19161	Animal Physiology	3.50
205-13111	Introduction to Ecology	3.50	205-19181	Biochemistry B	3.00
205-13491	Biochemistry of Nucleic Acids	2.50	205-19191	Genetic Engineering	2.50
205-13493	From Gene to Protein- Laboratory	1.50		Track elective; Departmental elective; unrestricted credits	8.50
205-19171	Biochemistry A	3.00		Total	22.50
900-52022	Training in Chemical & Biological Safety – Refresher Course	0.00	206-13531	Student Seminar (Or in Semester 8)	
	Track elective; Departmental elective; unrestricted credits	2.00			
	Total	23.50			
Semester 7			Semester 8		
205-13171	Evolution	3.00	206-12031	Introduction to environmental (Or in Semester 6)	3.00
206-12311	Structural Geology	3.50	206-12311	Stratigraphy (Or in Semester 4/6)	2.00
206-13041	Introduction to Geophysics	2.50	206-12261	Geology of Israel A	2.00
	Track elective; Departmental elective; unrestricted credits	11.50	206-13091	Plate Tectonics	2.50
	Total	20.50	206-13531	Student Seminar (Or in Semester 6)	2.00
				Track elective; unrestricted credits	10.00
				Total	21.50
				Total	180.00