



Study plan(2005-2006)

Second semester				First semester				Year
Pre-req.	Cr	Course Name	Course No.	Pre-req.	Cr	Course Name	Course No.	
----	3	Arabic language skills 1	110101	----	3	English language skills 1	130101	1 st year
130101	3	English language skills 2	130102	----	3	General Biology 1	240101	
----	3	Calculus 1	210101	----	3	General Chemistry 1	212101	
240101	3	General Biology 2	240107	----	1	General Chemistry lab	212102	
212101	3	General Chemistry 2	212103	----	1	General Biology lab	240106	
710101	3	Computer skills 2	710102	----	3	Computer skills 1	710101	
				----	3	Civilization and human thoughts 1	111133	
18 Cr		Total		17 Cr		Total		
----	3	Military Science	111100	-----	3	Introduction to Probability & Statistics	210231	2 nd year
----	3	General Physics	211105	240107	3	Microbiology	240216	
240107	3	Genetics	240231	240216 or Con	1	Microbiology lab	240217	
240232 or Con	1	Genetics lab	240232	240107	3	Cell Biology	240233	
240107+130102	2	Introduction to Biotechnology	240281	212103	3	Analytical Chemistry	212241	
212103	3	Organic Chemistry	212243	212241 or Con	1	Analytical Chemistry lab	212242	
				----	3	National Education	111101	
				240107 or Con	1	General Biology 2 lab	240108	
15 Cr		Total		18 Cr		Total		
240231+240335	2	Bioinformatics	240462	240233	3	Immunology	240337	3 rd year
240281	3	Plant Biotechnology	240322	240337 or Con	1	Immunology lab	240338	
240216	3	Environmental Biotechnology	240352	240231	2	Human Genetics	240234	
240386	3	Animal Biotechnology	240471	240234	1	Cytogenetics	240335	
240471 or Con	1	Animal tissue culture lab	240472	212243 + 240233	3	Biochemistry 1	240343	
240335 or Con	1	Cytogenetics lab	240336	240343 or Con	1	Biochemistry 1 lab	240344	
	3	Elective course		240233	3	Molecular Biology	240386	
				240368 or Con	1	Molecular Biology lab	240387	
16 Cr		Total		15 Cr		Total		
240343	3	Pharmaceutical Biotechnology	240441	240216	3	Microbial Biotechnology	240417	4 th year
90 Credit Hours	1	Ethics in Biotechnology	240491	240386	3	Applied Molecular Biology	240484	
90 Credit Hours	1	Quality control & Lab management	240490	240484 or Con	1	Applied Molecular Biology lab	240485	
Dept. Approval	3	Research Project	240499		3	Elective Course		
	3	Elective course		----	3	Fundamentals of Scientific Knowledge	210122	
	3	University course		240322 or Con	1	Plant Tissue culture lab	240323	

Dept. Approval	3	Field Training	240494	60 Credit Hours	2	Entrepreneurship	240391
14 Cr		▪ Total		16 Cr		▪ Total	