



Tafila Technical University
College of Science
Department of Applied Biology



Advisory Plan for B.SC. Degree in Applied Biological

First Academic Year - Applied Biology Program

The First Semester				The Second Semester			
Course Number	Course Name	Credit Hours	Pre-requisite	Course Number	Course Name	Credit Hours	Pre-requisite
0213109	General Biology1	3	None	0213101	General Physics 1	3	(2)
0207110	General Biology Lab.1	1	0213109 ⁽³⁾	0213103	General Physics Lab.1	1	0213101 ⁽³⁾
0213107	General Chemistry1	3	(1)	0207111	General Biology 2	3	0213109
0213108	General Chemistry Lab. 1	1	0213107	0207112	General Biology Lab.2	1	0207111 ⁽³⁾
0213115	Principles of Statistics1	3	None	0205113	General Chemistry 2	3	0213107
0213116	Principles of Statistics Lab.1	1	0213115		Oblig. University Requirement	3	
	Elec. University Requirement	3			Oblig. University Requirement	3	
Total		15		Total		17	

(1) "High School Chemistry" or Prerequisite Chemistry 0213099.

(2) "High School Physics " or Prerequisite Physics 0213097.

(3) or concurrent



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Second Academic Year - Applied Biology Program

The First Semester				The Second Semester			
Course Number	Course Name	Credit Hours	Pre-requisite	Course Number	Course Name	Credit Hours	Pre-requisite
0213105	Calculus 1	3	(1)	0207214	Vertebrates	3	0207213
0205217	Organic Chemistry /Biology	3	0205113	0207241	Biochemistry	3	0205217
0205218	Organic Chemistry lab. / Bio	1	0205217 ⁽²⁾	0207242	Biochemistry Lab.	1	0207241 ⁽²⁾
0207213	Invertebrates	3	0207111	0207261	Introductory Biotechnology	3	0207252
0207252	Cell Biology	3	0207111		Elec. Specialty Requirement	3	
0207231	Mycology	3	0207111		Oblig. University Requirement	3	
Total		16		Total		16	

(1) High School Mathematics " or Prerequisite Mathematics 0213098".

(2) Or concurrent



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Third Academic Year - Applied Biology Program

The First Semester				The Second Semester			
Course Number	Course Name	Credit Hours	Pre-requisite	Course Number	Course Name	Credit Hours	Pre-requisite
0213106	Calculus 2	3	0213105	0207321	Plant Biology	3	0207252
0207352	Genetics	3	0207252	0207322	Plant Biology Lab.	1	0207321 ⁽¹⁾
0207353	Genetics Lab.	1	0207352 ⁽¹⁾	0207324	Ecology	3	0207111
0207332	General Microbiology	3	0207252	0207343	Molecular Biology	3	0207352
0207333	General Microbiology Lab.	1	0207332 ⁽¹⁾		Elec. Specialty Requirement	2	
	Elec. Specialty Requirement	3			Elec. University Requirement	3	
	Oblig. University Requirement	3			Oblig. University Requirement	3	
Total		17		Total		18	

(1) Or concurrent



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Fourth Academic Year - Applied Biology Program

The First Semester				The Second Semester			
Course Number	Course Name	Credit Hours	Pre-requisite	Course Number	Course Name	Credit Hours	Pre-requisite
0207426	Plant Physiology	3	0207321	0207417	Histology	3	0207241
0207415	Animal Physiology	3	0207214	0207435	Immunology	3	0207241
0207416	Animal Physiology Lab.	1	0207415 ⁽¹⁾	0207468	Biotechnology Ethics	2	0207261
0207472	Seminar	1	90 Hours		Elec. Specialty Requirement	3	
0207471	Training	3	90 Hours		Elec. Specialty Requirement	3	
	Elec. Specialty Requirement	3			Oblig. University Requirement	3	
	Oblig. University Requirement	3					
Total		17		Total		17	

(1) Or concurrent