



Tafila Technical University
College of Science
Department of Applied Physics



Advisory Plan for B.S.C. Degree in Biomedical Physics

First Academic Year_ Biomedical Physics Program							
The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0213105	Calculus 1	3	(1)	0213106	Calculus 2	3	0213105
0213101	General Physics 1	3	(2)	0213102	General Physics 2	3	0213101
0213109	General Biology 1	3	None	0212121	Human Biology	3	0213109
0213115	Principles of Statistics 1	3	None	0213107	General Chemistry 1	3	(3)
0213116	Principles of Statistics Lab. 1	1	0213115 ⁽⁴⁾	0213103	General Physics Lab. 1	1	0213101 ⁽⁴⁾
	Elective University Requirement	3		0207110	General Biology Lab. 1	1	0213109 ⁽⁴⁾
					Obligatory University Requirement	3	
Total		16		Total		17	

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

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

(3) (High School Chemistry) or Prerequisite Chemistry 0213099.

(4) or concurrent.



Tafila Technical University
College of Science
Department of Applied Physics



Second Academic Year_ Biomedical Physics Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0213104	General Physics Lab. 2	1	0213102 ⁽⁵⁾	0212212	Introduction to Geometrical Optics	3	0213102
0213108	General Chemistry Lab. 1	1	0213107 ⁽⁵⁾	0202233	Modern Physics	3	0213102
0212222	Human Physiology	3	0212121	0212223	Analogue Electronics	3	0213102 & 0213104
0202242	General Physics 3	3	0213102	0212211	General Physics Lab. 3	1	0202242
0202251	Mathematical Physics 1	3	0213106		Elective University Requirement	3	
	Obligatory University Requirement	3			Obligatory University Requirement	3	
	Obligatory University Requirement	3					
Total		17		Total		16	

(5) or concurrent.



Tafila Technical University
College of Science
Department of Applied Physics



Third Academic Year_ Biomedical Physics Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0212324	Introduction to Biomedical Physics	3	0202242	0212325	Biomedical Physics Lab. 1	1	0212324
0212313	Radiation Physics	3	0202233	0212328	Health Physics	3	0212313
0202335	Quantum Mechanics 1	3	0202233 & 0202251	0212354	Computer Applications in Biomedical Physics 1	3	0202251
0202352	Mathematical Physics 2	3	0202251	0202325	Theory of Electromagnetism 1	3	0202251
	Elective Specialization Requirement	3			Elective Specialization Requirement	3	
	Obligatory University Requirement	3			Elective Specialization Requirement	3	
Total		18		Total		16	



Tafila Technical University
College of Science
Department of Applied Physics



Forth Academic Year_ Biomedical Physics Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0212458	Training for Biomedical Physics Students ⁽⁶⁾	3	0212328	0212459	Graduation Project for Biomedical Physics Students	3	0212458
0212431	Medical Imaging	3	0212328	0212445	Physics of Nuclear Medicine	3	021222 & 0212328
0212432	Biomedical Physics Lab. 2	2	0212328	0212442	Biomedical Physics Lab. 3	2	0212431
0212456	Artificial intellegance in Biomedical Physics	3	0212328		Elective Specialization Requirement	3	
	Elective Specialization Requirement	3			Elective Specialization Requirement	3	
	Obligatory University Requirement	3			Obligatory University Requirement	3	
Total		17		Total		17	

(6) 12 field training hours per week to fulfill the training course (0212458) requirements (148 training hours).