

**Inter American University of Puerto Rico**  
**Metropolitan Campus**  
**Faculty of Science and Technology**  
**Natural Science Department**  
**Tel. 250-1912, ext. 2323, 2101**  
**<http://web.inter.edu>**  
**Program: BS BIOMEDICAL SCIENCES (263)**

Student name: \_\_\_\_\_

Student UIPR ID: \_\_\_\_\_

**Effective for students admitted in July 2021**

General Education Requirements	45
Major Requirements	56
Prescribed Distributive Requirements	12
Elective Courses	6
Total	119

In the English curriculum the student will take one of the following sequences, according to PAA score:  
 Level 1 – Basic: 440 or less (GEEN 1101-1102-1103)  
 Level 2 - Intermediate: 441-580 (GEEN 1201-1202-1203)  
 Level 3 – Advanced: 581 or more (GEEN 2311-2312-2313)

Students are exempt to take GEMA 1200 course if a score of 520 or higher is obtained on the Math section of the PAA test.

\*Students can take MATH 1500 Precalculus (5 credits) instead

**FIRST YEAR**

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
GESP 1101	Literature and Communication: Narrative and Essay	3		GESP 1102	Literature and Communication: Essay and Theatre	3	GESP 1101	
GEEN ____	English I (1101, 1201, or 2311)	3		GEEN ____	English I (1102, 1202 or 2312)	3	GEEN 1101, 1201, or 2311	
GEMA 1200	Fundamentals of Algebra	3		MATH 1511 *	Precalculus I	3	GEMA 1200	
GEIC 1010	Information and Computing Technologies	3		BIOL 1102	General Biology II	3	BIOL 1101/1103 Concurrent with 1104	
BIOL 1101	General Biology I	3	Concurrent with BIOL 1103	BIOL 1104	Biology Skills Laboratory II	1	BIOL 1101/1103 Concurrent with 1102	
BIOL 1103	Biology Skills Laboratory I	1	Concurrent with BIOL 1101	CHEM 1111	General Chemistry I	4	GEMA 1200 Concurrent with Lab	
<b>TOTAL</b>		<b>16</b>		<b>TOTAL</b>		<b>17</b>		

**SECOND YEAR**

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
MATH 1512 *	Precalculus II	3	MATH 1511	GEHS 2010	Historical Process of Contemporary Puerto Rico	3		
GESP 2203	Literature and World View	3	GESP 1102	GEEC 2000	Entrepreneurial Culture	3		
GEEN ____	English (1103, 1203, or 2313)	3	GEEN 1102, 1202, or 2312	CHEM 2221	Organic Chemistry I	4	CHEM 2212 Concurrent with Lab	
BMSC 2210	Human Genetics	3		BIOL 3105	General Microbiology	4	BIOL 1102/1104 CHEM 1111 Concurrent with Lab	
CHEM 2212	General Chemistry II	4	CHEM 1111 MATH 1512 Concurrent with Lab					
<b>TOTAL</b>		<b>16</b>		<b>TOTAL</b>		<b>14</b>		

**THIRD YEAR**

FIRST SEMESTER				SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites	Code	Course Title	Credits	Prerequisites
GEPE 3010 GEPE 3020 GEPE 3030	One of the following: Art Appreciation Music Appreciation Teatre Appreciation	3		GECF 1010	Introductoin to Christian Faith	3	
	Prescribed Distributive Course	3		GEPE 4040	Ethics and Social Responsibility	3	
BMSC 3011	Anatomy and Human Physiology I	3	BIOL 1102 Concurrent with Lab	BMSC 3012	Anatomy and Human Physiology II	3	BMSC 3011 Concurrent with Lab
CHEM 2222	Organic Chemistry II	4	CHEM 2221 Concurrent with Lab	PHYS 3002	General Physics II	4	PHYS 3001 Concurrent with Lab
PHYS 3001	General Physics I	4	MATH 1500 or MATH 1511/1512 Concurrent with Lab				
<b>TOTAL</b>		<b>17</b>		<b>TOTAL</b>		<b>13</b>	

**FOURTH YEAR**

FIRST SEMESTER				SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites	Code	Course Title	Credits	Prerequisites
GEHS 3020 GEHS 3050 GEHS 4020 GEHS 4030	One of the following: Global Society Human Formation, Society, and Culture Ancient and Medieval Western Civilization Modern and Contemporary Western Civilization	3		BMSC 4020	Biomedical Ethics	3	24 credits approved in Biomedical Sciences area
GEHP 3000	Integral Health and Quality of Life	3			Prescribed Distributive Course	3	
	Prescribed Distributive Course	3			Prescribed Distributive Course	3	
BMSC 4015	Biochemistry of Human Physiology	3	CHEM 2222		Elective Course	3	
	Elective Course	3					
<b>TOTAL</b>		<b>15</b>		<b>TOTAL</b>		<b>12</b>	

**Prescribed Distributive Requirements - 12 Credits.**

Code	Title	Cr.	Prereq.	Code	Title	Cr.	Prereq.	<b>NOTES:</b> -Students must have a minimum point average of 2.50. -Students of this Program are exempt from the Scientific and Technological Context category (GEST 2020 or GEST 3030). -Students of this Program must pass all Biomedical Sciences (BMSC) courses and the course MATH 1500 with a <b>minimum grade of C</b> . -Students interested in taking courses in foreign languages, such as French, Portuguese, Italian German, and Mandarin, among others, may take two courses (6-8) credits as part of their general academic training. These courses will be replaced by six(6) credits of GEP presribed courses, specifically: three (3) of the Philosophical and Aesthetic Thought category and three (3) of the Historical and Social Context category.
BIOL 2153	Biostatistics	3	MATH 1512 BIOL 1102	BIOL 4905	Pathology	3	BIOL 3106 or BIOL 4407 or BMSC 3012	
BIOL 3405	Immunology	3	BIOL 3105 Concurrent with Lab	CHEM 3320	Analytical Chemistry	4	CHEM 2212 Concurrent with Lab	
BIOL 4305	Medical Microbiology	3	BIOL 3105	ENGL 2076	Reading and Writing in Technical Texts	3		
BIOL 4405	Embryology	3	BIOL 3106 or BMSC 312	ENGL 3030	Technical-Scientific Writing in Sciences	3		
BIOL 4494	Pharmacology	3	BIOL 3106 or BMSC 3012 CHEM 2222	MATH 2251	Calculus I	5	MATH 1500	
BIOL 4604	Celular and Molecular Biology	3	BIOL 3010 CHEM 2221					

Revised: July 2021 due to calendar change