

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 BIOLOGY (180)

Student name: _____

Student UIPR ID: _____

Effective for students admitted in July 2021

General Education Requirements	42
Major Requirements	36
Related Requirements	29-30
Prescribed Distributive Requirements	12
Elective Courses	3
Total	122-123

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
GEIC 1010	Information and Computing Technologies	3		MATH 1511 *	Precalculus I	3	GEMA 1200	
GEMA 1200	Fundamentals of Algebra	3		BIOL 1102	General Biology II	3	BIOL 1101/1103 Concurrent with 1104	
GEEN ____	English I (1101, 1201, or 2311)	3		BIOL 1104	Biology Skills Laboratory II	1	BIOL 1101/1103 Concurrent with 1102	
GESP 1101	Literature and Communication: Narrative and Poetry	3		GEEN ____	English II (1102, 1202, or 2312)	3	GEEN 1101, 1201, or 2311	
BIOL 1101	General Biology I	3	Concurrent with BIOL 1103	GESP 1102	Literature and Communication: Essay and Theatre	3	GESP 1101	
BIOL 1103	Biology Skills Laboratory I	1	Concurrent with BIOL 1101	GEHS 2010	Historical Process of Contemporary Puerto Rico	3		
	TOTAL	16			TOTAL	16		

SECOND YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
GESP 2203	Literature and World View	3	GESP 1102	CHEM 2212	General Chemistry II	4	MATH 1500 or 1511 CHEM 1111 Concurrent with Lab	
CHEM 1111	General Chemistry I	4	GEMA 1200 Concurrent with Lab	GEPE 3010 GEPE 3020 GEPE 3030	One of the following: Art Appreciation Music Appreciation Teatre Appreciation	3		
GEEN ____	English III (1103, 1203, or 2313)	3	GEEN 1102, 1202, or 2312	BIOL 2104	Botany	3	BIOL 1102/1104 CHEM 1111 Concurrent with Lab	
MATH 1512 *	Precalculus II	3	MATH 1511	BIOL 2153	Biostatistics	3	BIOL 1102 MATH 1500	
BIOL 2103	Zoology	3	BIOL 1102/1104 Concurrent with Lab	GECF 1010	Introduction to the Christian Faith	3		
	TOTAL	16			TOTAL	17		

THIRD 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	CHEM 2212 Concurrent with Lab		BIOL 3010	Genetics	3	GEMA 1200 BIOL 1102
CHEM 2221	Organic Chemistry I	4	CHEM 2212		CHEM 2222	Organic Chemistry II	4	CHEM 2221 Concurrent with Lab
BIOL 3105	General Microbiology	4	BIOL 1102/1104 CHEM 1111 Concurrent with Lab			Prescribe Distributive Course	3	
GEEC 2000	Entrepreneurial Culture	3				Elective Course	3	
	Prescribe Distributive Course	3			GEPE 4040	Ethics and Social Responsibility	3	
	TOTAL	17				TOTAL	16	

FOURTH YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
BIOL 3106	Human Anatomy and Physiology	4	BIOL 1102/1104		PHYS 3002	General Physics II	4	PHYS 3001 Concurrent with Lab
PHYS 3001	General Physics I	4	MATH 1511/1512 or MATH 1500 Concurrent with Lab		BIOL 4604	Cellular and Molecular Biology	3	BIOL 3010 CHEM 2221
BIOL 3503	Ecology	3	BIOL 2103 BIOL 2104 Concurrent with Lab		BIOL 4605	Cellular and Molecular Skills Laboratory	2	BIOL 2153 BIOL 3105 CHEM 2221 Concurrent with BIOL 4604
	Prescribe Distributive Course	3				Prescribe Distributive Course	3	
	TOTAL	14				TOTAL	12	

Prescribed Distributive Requirements: 12 Credits

Code	Title	Cr.	Prereq.	Code	Title	Cr.	Prereq.	Code	Title	Cr.	Prereq.
BIOL 2800	Astrobiology	3		BIOL 3904	Toxicology	3	BIOL 2106 CHEM 2222	BIOL 4433	Industrial Microbiology	3	BIOL 3105 CHEM 2212
BIOL 3100	Foundations of Animal Science	3	BIOL 2103 BIOL 3010	BIOL 4105	Fundamentals of Geographic Information systems (GIS)	3		BIOL 4494	Pharmacology	3	BIOL 3106 BMSC 3012 CHEM 2222
BIOL 3200	Foundations of Animal Nutrition	3	BIOL 3100	BIOL 4109	General Psysiology	3	BIOL 2103 CHEM 2212	BIOL 4503	Conservation and Management of Natural Resources	3	BIOL 3503
BIOL 3213	Parasitology	3	BIOL 2103	BIOL 4303	Mycology	3	BIOL 3105	BIOL 4600	Histology	3	BIOL 3106
BIOL 3214	Entomology	3	BIOL 2103	BIOL 4304	Medical Mycology	3	BIOL 3105	BIOL 4905	Pathology	3	BIOL 3106 or 4407 or BMSC 3012
BIOL 3216	Animal Behavior	3	BIOL 2103	BIOL 4305	Medical Microbiology	3	BIOL 3105	BIOL 4909	Public Health	3	BIOL 4907
BIOL 3219	Biology of the Invertebrates	3	BIOL 2103	BIOL 4306	Virology	3	BIOL 3105 BIOL 3010	BIOL 4912	Practicum in Biology	3	
BIOL 3309	Food Microbiology	3	BIOL 3105	BIOL 4307	Micro Tecniques	2	BIOL 3106	BIOL 4953	Research Methods	3	30 credits approved in Biology
BIOL 3405	Immunology (Concurrent with Lab)	3	BIOL 3105	BIOL 4403	Evolution	3	BIOL 3010	BIOL 4955	Integrating Seminar	1	30 credits approved in Biology
BIOL 3504	Environmental Health	3	BIOL 3105 GEMA 1200	BIOL 4405	Embryology	3	BIOL 3106 or BMSC 3012	BIOL 4960	Bioethics	3	90 credits approved
BIOL 3505	Environmental Laws, Policies and Regulations	3	BIOL 3504	BIOL 4407	Human Anatomy	3	BIOL 2103	MATH 2251	Calculus I	5	MATH 1500

NOTES:

-Students of this Program are exempt from the Scientific and Technological Context category (GEST 2020 or GEST 3030) and Health of Quality of Life (GEHP 3000).

-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 prescribed courses, specifically: three (3) of the Philosophical and Aesthetic Thought category and three (3) of the Historical and Social Context category.

-Students must obtain a **minimum grade of C in the Biology Courses (BIOL)** that are part of the Major Requirements and the Prescribed Distributive Requirements for the Bachelor of Sciences in Biology.

Revised: July 2021 due to calendar change