



INTER AMERICAN UNIVERSITY OF PUERTO RICO
GUAYAMA CAMPUS
DEPARTMENT OF NATURAL SCIENCES AND TECHNOLOGY

Curricular Sequence

BACHELOR OF SCIENCE IN BIOTECHNOLOGY (Code 258)

General Education Requirements	45 credits
Major Requirements	45 credits
Related Course Requirements	37 credits
Electives Courses	3 credits
Total	130 credits

First Year – First Semester					First Year – Second Semester						
			A	P	Cr			A	P	Cr	
BIOL	1101	General Biology I			3	BIOL	1102	General Biology II		3	
BIOL	1103	Biology Skills Laboratory I			1	CHEM	2212	General Chemistry II		4	
GEMA	1200	Fundamentals of Algebra			3	MATH	1500	Precalculus		5	
GESP	1101	Literature and Communication: Narrative and Poetry			3	GEEN	1102	English as a Second Language II: Reading		3	
GEEN	1101	English as a Second Language I: Oral Communication			3	BIOL	1104	Biology Skills Laboratory II		1	
CHEM	1111	General Chemistry I			4	GEIC	1010	Information and Computing Technologies		3	
Total					17	Total					19
Second Year – First Year					Second Year – Second Semester						
			A	P	Cr			A	P	Cr	
BIOL	3105	General Microbiology			4	BIOT	3250	Molecular Biotechnology		3	
BIOL	3010	Genetics			3	GEHS	2010	Historical Process of Contemporary Puerto Rico		3	
GESP	1102	Literature and Communication: Essay and Theatre			3	CHEM	2222	Organic Chemistry II		4	
CHEM	2221	Organic Chemistry I			4	GESP	2203	Literature and World View		3	
GEEN	1103	English as Second Language III: Writing			3	GEPE	3010	Select one course: Art Appreciation		3	
							3020	Music Appreciation			
							3030	Theatre Appreciation			
Total					17	Total					16

Curricular Sequence -Biotechnology-(code 258)

Third Year – First Semester			A	P	Cr	Third Year – Second Semester			A	P	Cr		
PHYS	3001	General Physics I			4	BIOT	4620	Tissue Culture and Technical Applications			3		
BIOT	3750	Recombinant DNA Technology			3	CHEM	3320	Analytical Chemistry			4		
BIOL	2153	Biostatistics			3	PHYS	3002	General Physics II			4		
BIOL	3405	Immunology			3	BIOL	3750	Cellular and Molecular Biology			3		
					Total	16						Total	14
Fourth Year – First Semester			A	P	Cr	Fourth Year – Second Semester			A	P	Cr		
CHEM	4220	Biochemistry			4	BIOT	4928	Protein Purification and Analysis			3		
BIOT	4954	Research Methods in Biotechnology			3	BIOT	4710	Agricultural and Environmental Biotechnology			3		
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GEEC	2000	Entrepreneurial Culture			3	BIOL	4433	Industrial Microbiology			3		
GEHS	3020	Select one course: Global Society Human Formation, Society, and Culture Modern and Contemporary Western Civilization			3	GEPE	4040	Ethics and Social Responsibility			3		
GEHS	3050												
GEHS	4030												
					Total	16						Total	15

Revised: May 2020