



Interamerican University of Puerto Rico
Aguadilla Campus
Department of Science Technology

Sequential Bachelor of Science in Toxicology

Effective Date: 2023

FIRST YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
GEEN 1101 GEEN 1201 GEEN 2311	English I (One of them according to the results of the College Board)	3
GEIC 1010	Information and Computer Technologies	3
GEMA 1200	Fundamentals of Algebra	3
GESP 1101	Literature and Communication: Narrative and Poetry	3
BIOL 1101	General Biology I (concurrent requirement BIOL 1103)	3
BIOL 1103	Biology Skills Laboratory I (concurrent requirement BIOL 1101)	1
TOTAL		16

FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
CHEM 1111	General Chemistry I (requirement GEMA 1200)	4
GESP 1102	Literature and Communication: Essay and Theatre	3
MATH 1500	Pre-calculus (requirement GEMA 1200)	5
TOXI 1120	Biological Foundations of Toxicology (requirement TOXI 1101)	3
TOTAL		15

SECOND YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
CHEM 2212	General Chemistry II (requirement MATH 1500 or MATH 1511 and CHEM 1111)	4
GEEN 1102 GEEN 1202 GEEN 2312	English II (One of them according to the results of the College Board)	3
GESP 2203	Literature and World Vision	3
TOXI 2210	Introduction to Toxicology (requirement TOXI 1120 and CHEM 1111)	3
TOXI 2220	Methods in Toxicology II (requirement TOXI 1102 concurrent TOXI 2210)	1
TOTAL		14

SECOND YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
CHEM 2221	Organic Chemistry I (requirement CHEM 2212)	4
GECF 1010	Introduction to the Christian Faith	3
GEPE 3010 GEPE 3020 GEPE 3030	Art Appreciation Music Appreciation Theatre Appreciation (Select one of the three courses)	3
MATH 2250	Calculus for Biology and Environmental Sciences (requirement MATH 1500 or MATH 1512)	3
TOXI 2230	Introduction to Pharmacology (requirement TOXI 2210)	3
TOTAL		16

THIRD YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
CHEM 2222	Organic Chemistry II (requirement CHEM 2221)	4
GEEN 1103 GEEN 1203 GEEN 2313	English III (One of them according to the results of the College Board)	3
GEHS 2010	Historical Process of Contemporary Puerto Rico	3
MATH 2100	Introduction to Probability and Statistics (requirement MATH 1500 or MATH 1512)	3
TOXI 3000	Genetic Toxicology (requirement TOXI 2210)	3
TOTAL		16

THIRD YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
CHEM 3320	Analytical Chemistry (requirement CHEM 2212 and MATH 1500 or MATH 1512)	4
GEEC 2000	Entrepreneurial Culture	3
TOXI 3010	Clinical Toxicology (requirement TOXI 3000)	3
TOXI 3603	Environmental Toxicology and Risk Assessment (requirement TOXI 2210 and CHEM 2212)	3
TOTAL		13

FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
CHEM 4220	Biochemistry (requirement CHEM 2222 and CHEM 3320)	4
PHYS 3001	General Physics I (requirement MATH 1500 or MATH 1512)	4
TOXI 3605	Public Health for Toxicologists (requirement MATH 2100 and TOXI 2210)	3
TOXI 4750	Molecular Toxicology (requirement TOXI 3010 concurrent CHEM 4220)	3
TOXI 4751	Methods in Toxicology III (requirement TOXI 2220 concurrent TOXI 4750)	1
TOTAL		15

FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
ELECTIVE COURSE	Elective Course (Choose a course)	3
GEHS 3020	Global Society	3
GEHS 3050	Human Formation, Society and Culture	
GEHS 4020	Ancient and Medieval Western Civilization	
GEHS 4030	Modern and Contemporary Western Civilization (Select one of four courses)	
GEPE 4040	Ethics and Social Responsibility	3
PHYS 3002	General Physics II (requirement PHYS 3001)	4
TOXI 4910	Practicum (requirement TOXI 2230, TOXI 3603, TOXI 4751 and authorization from the Department Director)	2
TOTAL		15

REQUIREMENTS FOR THE BACHELOR

DEGREE REQUIREMENTS	CREDITS
General Education Requirements	42
Concentration requirements	32
Core requirements	43
Elective courses	3
TOTAL	120

NOTES:

Students must pass all required core and concentration courses with a minimum grade of C.