



Interamerican University of Puerto Rico  
Aguadilla Precinct  
Department of Science Technology

## Sequential Bachelor of Science in Toxicology

Effective Date: 2020

### 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
TOXI 1101	Biological Foundations of Toxicology I	3
TOXI 1102	Methods in Toxicology I (concurrent requirement TOXI 1101)	1
<b>TOTAL</b>		16

### FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
CHEM 1111	General Chemistry I (GEMA 1200 requirement)	4
GESP 1102	Literature and Communication: Rehearsal and Theatre	3
MATH 1500	Pre-calculus (GEMA 1200 requirement)	5
TOXI 1120	Biological Foundations of Toxicology (TOXI 1101 requirement)	3
<b>TOTAL</b>		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 Worldview	3
TOXI 2210	Introduction to Toxicology (TOXI 1120 and CHEM 1111 requirement)	3
TOXI 2220	Methods in Toxicology II (requirement TOXI 1102 concurrent TOXI 2210)	1
<b>TOTAL</b>		14

SECOND YEAR – SECOND SEMESTER

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

THIRD YEAR – FIRST SEMESTER

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

THIRD YEAR – SECOND SEMESTER

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

FOURTH YEAR – FIRST SEMESTER

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

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 (PHYS 3001 requirement)	4
TOXI 4910	Internship (requirement TOXI 2230, TOXI 3603, and TOXI 4751 authorization of the director of the Department)	2
<b>TOTAL</b>		<b>15</b>

REQUIREMENTS FOR THE BACHELOR

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

NOTES:

The student must pass with the minimum grade of C the core and concentration courses required.