

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 CHEMISTRY (132)

Student name: _____

Student UIPR ID: _____

Effective for students admitted in July 2021

General Education Requirements	45
Major Requirements	44
Related Requirements	26-27
Prescribed Distributive Requirements	6-7
Elective Courses	3
Total	124 or 126

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 1501 Precalculus I and MATH 1512 Precalculus II instead

FIRST YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
GEIC 1010	Information and Computing Technologies	3			CHEM 1111	General Chemistry I	4	GEMA 1200 Concurrent with Lab
GEMA 1200	Fundamentals of Algebra	3			MATH 1500 *	PreCalculus	5	GEMA 1200
GEEN ____	English I (1101, 1201, or 2311)	3			GESP 1102	Literature and Communication: Essay and Theatre	3	GESP 1101
GESP 1101	Literature and Communication: Narrative and Poetry	3			GEEN ____	English (1102, 1202, or 2312)	3	GEEN 1101, 1201, or 2311
BIOL 1101	General Biology I	3	Concurrent with BIOL 1103					
BIOL 1103	Biology Skills Laboratory I	1	Concurrent with BIOL 1101					
TOTAL		16		TOTAL		15		

SECOND YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
CHEM 2212	General Chemistry II	4	MATH 1500 or 1511 CHEM 1111 Concurrent with Lab		CHEM 2221	Organic Chemistry I	4	CHEM 1111 Concurrent with Lab
MATH 2251	Calculus I	5	MATH 1500		CHEM 3320	Analytical Chemistry	4	CHEM 2212 MATH 1500 or 1512 Concurrent with Lab
GESP 2203	Literature and World View	3	GESP 1102		MATH 2252	Calculus II	4	MATH 2251
GEEN ____	English (1103, 1203, 2313)	3	GEEN 1102, 1202, or 2312		GECF 1010	Introduction to the Christian Faith	3	
TOTAL		15			TOTAL		15	

THIRD YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
PHYS 3001	General Physics I	4	MATH 1500 or MATH 1511/1512 Concurrent with Lab		PHYS 3002	General Physics II	4	PHYS 3001 Concurrent with Lab
CHEM 3400	Computer Laboratory and Chemistry Application	2	CHEM 2221		CHEM 3230	Structure Determination by Spectroscopic Methods	3	CHEM 2222
CHEM 2222	Organic Chemistry II	4	CHEM 2221 Concurrent with Lab		GEEC 2000	Entrepreneurial Culture	3	
GEPE 4040	Ethics and Social Responsibility	3			GEHS 2010	Historical Process of Contemporary Puerto Rico	3	
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			GEPE 3010 GEPE 3020 GEPE 3030	One of the following: Art Appreciation Music Appreciation Teatre Appreciation	3	
TOTAL		17			TOTAL		16	

FOURTH YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
CHEM 3910	Physical Chemistry: Thermodynamics	4	PHYS 3002 MATH 2252 CHEM 3320 CHEM 3330 Concurrent with Lab		CHEM 4240	Instrumental Analytical Chemistry	5	CHEM 3230 CHEM 3320 CHEM 3330 Concurrent with Lab
CHEM 4200	Advanced Inorganic Chemistry	3	CHEM 3920		CHEM 4965	Senior Seminar	3	CHEM 3019 or CHEM 3920 CHEM 4240
	Prescribed Distributive	3 or 4			CHEM 3920	Physical Chemistry: Quantum and Kinetics	4	PHYS 3002 MATH 2252 CHEM 2222 CHEM 3320 CHEM 3330
GEHP 3000	Integral Health and Quality of Life	3				Prescribed Distributive	3	
TOTAL		16 or 17			TOTAL		15	

Prescribed Distributive Requirements: 6-7 Credits

Code	Title	Credits	Prerequisites
CHEM 3360	Food Chemistry	3	CHEM 2222
CHEM 3370	Green Chemistry	3	CHEM 2222
CHEM 3380	Introduction to Nanotechnology	3	CHEM 2222 CHEM 3320
GHEM 3390	Biotechnology for Chemists	3	BIOL 1101/1103 CHEM 2222 CHEM 3320
CHEM 3900	Research in Chemistry	1-3	
CHEM 4220	Biochemistry	4	CHEM 2222 CHEM 3320 Concurrent with Lab
CHEM 397_	Special Topics	3	

NOTES:

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

-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.

Revised: July 2021 due to calendar change