

Inter American University of Puerto Rico
Metropolitan Campus
Faculty of Sciences and Technology
Department of Computer Sciences & Mathematics
Tel. 250-1912, ext. 2230, 2187
<http://web.inter.edu>

Program: Bachelor in Sciences in Computer Sciences (120)
Effective as of July 2018

Student name: _____

Student UIPR ID: _____

General Education Requirements	48
Concentration Requirements	65
Prescribed Distributive Requirements	6
Elective Course	<u>3</u>
Total	<u>122</u>

In the English curriculum, the student will take one of the following sequences, according to CEEB 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 in programs that require GEMA 1200 who obtained a score of 520 or higher on the Math section of the PAA test are exempt from taking that course.

FIRST SEMESTER			
Code	Course Title	Credits	Prerequisites
GEEN ____	English I	3	
GESP 1101	Literature and Communication: Narrative and Poetry	3	
GEIC 1010	Information and Computing Technologies	3	
GEMA 1200	Fundamentals of Algebra	3	
COMP 2120	Programming Logic	3	
TOTAL		15	

FIRST YEAR

SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites
GEEN (1102, 1202 or 2312)	English II	3	GEEN (1101, 1201 or 2311)
GESP 1102	Literature and Communication: Essay and Theatre	3	GESP 1101
**MATH 1500	Precalculus	5	GEMA 1200
GEEC 2000	Entrepreneurial Culture	3	
COMP 2315	Structured Programming	3	COMP 2120
TOTAL		17	

FIRST SEMESTER			
Code	Course Title	Credits	Prerequisites
GEEN (1103, 1203 or 2313)	English III	3	GEEN (1102, 1202 or 2312)
GESP 2203	Literature and World View	3	GESP 1102
COMP 2400	Object Oriented Programming	3	COMP 2315
COMP 2025	Development of Webpages	3	
COMP 2501	Discrete Computational Structures I	3	MATH 1500
TOTAL		17	

SECOND YEAR

SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites
COMP 2900	Data Structures	3	COMP 2400
COMP 2502	Discrete Computational Structures II	3	COMP 2501
COMP 2800	Databases	3	COMP 2315
GEHS 2010	Historical Process of Contemporary Puerto Rico	3	
GEST 2020	The Natural Environment and The Human Being	3	
TOTAL		15	

**Can take MATH 1511 and MATH 1512 instead of MATH 1500.

FIRST SEMESTER				THIRD YEAR	SECOND SEMESTER				
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites	
COMP 3300	Organization And Computer Architecture	3	COMP 2900		MATH 2251	Calculus I	5	MATH 1500	
COMP 3015	WEB Programming with Databases	3	COMP 2800		COMP 3400	Software Engineering	3	COMP 2800 COMP 2900	
GECF 1010	Introduction to the Christian Faith	3			COMP 3900	Visual Computation	3	COMP 3015	
PHYS 3001	General Physics I	4	MATH 1500		GEHP 3000	Integral Health and Quality of Life	3		
GEPE 3010 GEPE 3020 GEPE 3030	Student must take one of the following courses: Art Appreciation Music Appreciation Theatre Appreciation	3			GEHS 3020 GEHS 3050 GEHS 4020 GEHS 4030	Student must take one of the following courses: Global Society Human Formation, Society, and Culture Ancient and Medieval Western Civilization Modern and Contemporary Western Civilization	3	These courses can be substituted with a language course.	
TOTAL		16			TOTAL		17		
FIRST SEMESTER					FOURTH YEAR	SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites			Code	Course Title	Credits	Prerequisites
COMP 3500	Operating Systems	3	COMP 3300	COMP 4400		Systems Development and Implementation	3	COMP 3400	
COMP 4200	Teleprocessing and Networks	3	COMP 2502 COMP 3500	COMP 4910		Practice and Professional Ethics	3	COMP 4200 COMP 4400	
COMP 4410	Computer Security	3	COMP 3300	COMP ____		Distributive Prescribed	3		
COMP ____	Distributive Prescribed	3		GEPE 4040		Ethics and Social Responsibility	3		
	Elective Course	3		TOTAL		12			
TOTAL		15		TOTAL		12			

Prescribed Distributive Requirements - 6 Credits

Code	Title	Credits	Prerequisites	Code	Title	Credits	Prerequisites
COMP 2850	Movable Computation	3	COMP 2315	COMP 4210	Cloud Computing	3	COMP 3300
COMP 3600	Computer Graphics	3	COMP 2502 COMP 2900	COMP 4415	Forensic Computation	3	COMP 3300
COMP 3800	Programming Languages	3	COMP 2900	COMP 4480	Artificial Intelligence	3	COMP 2900
COMP 397_	Special Topics	1-6	Director's Authorization	COMP 4580	Introduction to Robotics	3	COMP 2900 PHYS 3001
COMP 4160	Parallel Processing	3	COMP 3500	MATH 2100	Introduction to Probability and Statistics	3	MATH 1500