

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 Mathematics (111)
Effective as of July 2018

Student name: _____

Student UIPR ID: _____

General Education Requirements	48
Concentration Requirements	32
Related Courses	17
Prescribed Distributive Requirements	12
Elective Course	<u>11</u>
Total	<u>120-122</u>

In the English curriculum the student will take one of the following sequences, according to CEEB score:
 Level 1 – Basic: 450 or less (GEEN 1101-1102-1103)
 Level 2 - Intermediate: 451-599 (GEEN 1201-1202-1203)
 Level 3 – Advanced: 600 or more (GEEN 2311-2312-2313)

Students in programs that require course GEMA 1200, are exempt to take that course if a score of 520 or higher is obtained on the Math section of the PAA test.

FIRST YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
GEEN ____	English I	3			GEEN (1102, 1202 or 2312)	English II	3	GEEN (1101, 1201 or 2311)
GESP 1101	Literature and Communication: Narrative and Poetry	3			GESP 1102	Literature and Communication: Essay and Theatre	3	GESP 1101
GEIC 1010	Information and Computing Technologies	3			GECF 1010	Introduction to the Christian Faith	3	
GEMA 1200	Fundamentals of Algebra	3			**MATH 1511	Precalculus	3	GEMA 1200
COMP 2120	Programming Logic	3			GEHP 3000	Integral Health and Quality of Life	3	
TOTAL		15		TOTAL		15		

SECOND YEAR

FIRST SEMESTER					SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites		Code	Course Title	Credits	Prerequisites
GEEN (1103, 1203 or 2313)	English III	3	GEEN (1102, 1202 or 2312)		MATH 2251	Calculus I	5	MATH 2251
GESP 2203	Literature and World View	3	GESP 1102		MATH 2400	The Language of Mathematics	3	MATH 1511 and MATH 1512 or MATH 1500
MATH 2000	Discrete Methods	3	GEMA 1200		GEEC 2000	Entrepreneurial Culture	3	
MATH 1512	Calculus I	3	MATH 1511		GEHS 2010	Historical Process of Contemporary Puerto Rico	3	
GEST 2020	The Natural Environment and The Human Being	3			GEPE 3010 GEPE 3020 GEPE 3030	Student must take one of the following courses: Art Appreciation Music Appreciation Theatre Appreciation	3	
TOTAL		15		TOTAL		17		

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

THIRD YEAR

FIRST SEMESTER				SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites	Code	Course Title	Credits	Prerequisites
STAT 1201	Statistics I	3		STAT 1202	Statistics II	3	
MATH 2380	Topics in Geometry	3		MATH ____**	Distributive Prescribed	3	
MATH 3130	Theory of Numbers	3		MATH 3350	Linear Algebra	3	
MATH 2252	Calculus II	4			Elective Course	3	
MATH ____**	Distributive Prescribed	3		GEHS 3020	Global Society	3	These courses can be substitute with a language course.
				GEHS 3050	Human Formation, Society, and Culture		
				GEHS 4020	Ancient and Medieval Western Civilization		
				GEHS 4030	Modern and Contemporary Western Civilization		
TOTAL		16		TOTAL		15	

FOURTH YEAR

FIRST SEMESTER				SECOND SEMESTER			
Code	Course Title	Credits	Prerequisites	Code	Course Title	Credits	Prerequisites
MATH 4391 or MATH 4100	Abstract Algebra I Applied Algebra	3		GEPE 4040	Ethics and Social Responsibility	3	
MATH ____**	Distributive Prescribed	3		MATH ____**	Distributive Prescribed	3	
PHYS 3001	General Physics I	4	MATH 1500	MATH ____**	Distributive Prescribed	3	
	Elective Course	3		PHYS 3002	General Physics II	4	PHYS 3001
					Elective Course	3	
TOTAL		3		TOTAL		16	

Prescribed Distributive Requirements - 12 Credits

Code	Title	Credits	Prerequisites
MATH 3091	Mathematical Statistics I	3	MATH 2251
MATH 3250	Calculus III	3	MATH 2252
MATH 3400	Differential Equations	3	MATH 2252
MATH 4151	Numerical Analysis I	3	MATH 2252
MATH 4260	Operational Research	3	STAT 1202 and MATH 3350
MATH 4430	Seminar for Secondary School Teachers	3	MATH 2251
MATH 4550	Advanced Calculus	3	MATH 3250