



Interamerican University of Puerto Rico  
Bayamón Campus  
School of Engineering  
Department of Science and Technology  
Aguadilla Campus  
Transfer Program

This sequential is valid for students who begin in August 2019 at Aguadilla Campus and agree to transfer to Bayamón Campus to complete 51% of the program.

## Bachelor of Science in Electrical Engineering

Effective Date: 2019

### FIRST YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
MATH 1500	Pre calculus (GEMA requirement 1200 or AMAT (CEEB) > 550)	5
ENGR 1100	Introduction to Engineering	3
GESP 1101	Literature and Communication: Narrative and Poetry	3
NO 1201 NONE 2311	(One of them according to the results of the College Board)	3
GEHS 2010 GEHS 3020 GEHS 4030	Historical Process of Contemporary Puerto Rico Global Society Modern and Contemporary Western Civilization (Select one of the three courses)	3
<b>TOTAL</b>		<b>17</b>

### FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
MATH 2251	Calculus I (requirement MATH 1500)	5
ELEC 2130	Introduction to Engineering Computing (requirement MATH 1500)	3
CHEM 2115	General Chemistry for Engineers (requirement MATH 1500)	4
GEEN 1202 GEEN 2312	English II (One of them according to the results of the College Board)	3
GESP 1102	Literature and Communication: Essay and Theatre	3
<b>TOTAL</b>		<b>18</b>

**SECOND YEAR – FIRST SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
MATH 2252	Calculus II (requirement MATH 2251)	4
MATH 3350	Linear Algebra (requirement 2251 MATH)	3
PHYS 3311	General Physics for Engineers I (requirement MATH 2251)	4
GESP 2203	Literature and World view	3
GEEN 1203 GEEN 2313	English III (One of them according to the results of the College Board)	3
<b>TOTAL</b>		<b>17</b>

**SECOND YEAR – SECOND SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
MATH 3400	Differential Equations (requirement 2252 MATH)	3
MATH 3250	Calculus II (requirement MATH 2252)	3
PHYS 3312	General Physics for Engineers II (requirement PHYS 3311 and MATH 2252)	4
ELEN 3301	Electrical Circuits I (requirement PHYS 3312)	4
ELEN 3320	Logic Circuits (requirement ELEN 3301)	4
<b>TOTAL</b>		<b>18</b>

**REQUIREMENTS FOR THE BACHELOR'S DEGREE**

<b>DEGREE REQUIREMENTS</b>	<b>CREDITS</b>
General Education Requirements	27
Core requirements	41
Concentration requirements	49
Related requirements	9
Prescribed distributive requirements	12 - 18
Elective courses	3
<b>TOTAL</b>	<b>141 - 147</b>

## NOTES:

Have an admission rate greater than 1,000 points and have obtained a high school graduation rate greater than 2.5

1. This document is an unofficial sequence suggested by the U.S. department. Illustrate a degree path that summarizes prerequisites and co-requisites, which may change without notice. This sequence is for reference only to help you plan your courses.
2. Concentration and sub-concentration courses must be passed with a minimum grade of C. Students must pass all prerequisite courses before taking continuation courses.
3. Students who initially do not meet the minimum admission requirements may be recommended for entry into the program if before taking the first specialization course they obtain a minimum overall average of 2.00, a minimum grade of C in the Precalculus course (MATH 1500) or equivalent and are recommended by the department director of the engineering program.
4. Transfer students, either within the university system or from other accredited institutions, students wishing to change careers, and those students enrolled in other institutional services academic programs, may be admitted to the program if they have passed the Precalculus (MATHEMATICS) course. 1500) with a minimum grade of C, have a minimum GPA of 2.00 and be recommended by the director of the Engineering Program Department.
5. Students who scored less than 550 points in the Mathematical Advancement Section (AMAT) of the College Entrance Examination Board (CEEB) will be required to take the Fundamentals of Algebra (GEMA 1200) course prior to MATH 1500. In these cases, GEMA 1200 will be considered free electives.
6. Students who scored below 451 points in the English Advancement Section (AENG) of the University Entrance Examination Board (CEEB) test will be required to take the GEEN 1101 course. Students who scored above 599 points in the English Advancement (AENG) section of the College Entrance Examination Board (CEEB) may take GEEN 2311, otherwise they must take GEEN 1201.
7. Once the student has selected GEEN 2301 or GEEN 1201 they must maintain the sequence (either 1201, 1202 and 1203 or 2311, 2312 and 2313).
8. Students admitted to the engineering program will graduate under the program and regulations established in the university catalog under which they were admitted to the engineering program or any subsequent single catalog.