



Interamerican University of Puerto Rico  
Aguadilla Campus  
Department of Science Technology

## Sequential Bachelor of Science Electronic Engineering Technology

Effective Date: 2021

### FIRST YEAR – FIRST SEMESTER

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
ELEC 1170	Electronic Drawing	1
GEEN 1101 GEEN 1201 GEEN 2311	English I (One of them according to the results of the College Board)	3
GEHP 3000	Integral Health and Quality of Life	3
GEIC 1010	Information and Computer Technologies	3
GEMA 1200	Fundamentals of Algebra	3
GESP 1101	Literature and Communication: Narrative and Poetry	3
<b>TOTAL</b>		<b>16</b>

### FIRST YEAR – SECOND SEMESTER

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
ELEC 2331	Electrical Circuits Laboratory I (requirement GEMA 1200 concurrent ELEC 2341)	1
ELEC 2341	Electrical Circuits I (requirement GEMA 1200)	3
GEEN 1102 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
MATH 1500	Pre-calculus (requirement GEMA 1200)	5
<b>TOTAL</b>		<b>15</b>

**SECOND YEAR – FIRST SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
ELEC 2332	Electrical Circuits Laboratory II (requirement ELEC 2331 and 2341 concurrent ELEC 2342)	1
ELEC 2342	Electrical Circuits II (requirement ELEC 2341 concurrent MATH 1500)	3
GEEN 1103 GEEN 1203 GEEN 2313	English III (One of them according to the results of the College Board)	3
GESP 2203	Literature and World view	3
MATH 2251	Calculus I (requirement MATH 1500 or MATH 1512)	5
<b>TOTAL</b>		<b>15</b>

**SECOND YEAR – SECOND SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
ELEC 2121	Digital Circuits Laboratory I (requirement GEMA 1200 concurrent ELEC 2131)	1
ELEC 2131	Digital Circuits I (requirement GEMA 1200)	3
ELEC 2471	Electronic Circuits Laboratory I (requirement ELEC 2331 concurrent ELEC 2481)	1
ELEC 2481	Electronic Circuits I (requirement 2341)	3
MATH 2252	Calculus II (requirement MATH 2251)	4
PHYS 3311	Physics for Engineers I (requirement MATH 2251)	4
<b>TOTAL</b>		<b>16</b>

**THIRD YEAR – FIRST SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
ELEC 1120	Industrial Safety	3
ELEC 2472	Electronic Circuits Laboratory II (requirement ELEC 2332 and 2471 concurrent ELEC 2482)	1
ELEC 2482	Electronic Circuits II (requirement ELEC 2481)	3
ENGR 2130	Introduction to Computer Engineering (requirement MATH 1500)	3
PHYS 3312	Physics for Engineers II (requirement PHYS 3311 and MATH 2252)	4
<b>TOTAL</b>		<b>14</b>

THIRD YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
ELEC 3470	Industrial Electronics Laboratory (requirement ELEC 2342 and 2471 concurrent with ELEC 3480)	1
ELEC 3480	Industrial Electronics	3
GEEC 2000	Entrepreneurial Culture	3
GEHS 2010	Historical Process of Contemporary Puerto Rico	3
GEPE 3010	Art Appreciation	3
GEPE 3020	Music Appreciation	
GEPE 3030	Theatre Appreciation (Select one of the three courses)	
GEST 2020	The Natural Environment and Human Beings	3
<b>TOTAL</b>		<b>16</b>

FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
ELEC 4210	Communications Laboratory (requirement ELEC 2472 concurrent ELEC 4220)	1
ELEC 4220	Communications (requirement ELEC 2482)	3
ELEC 4370	Control Systems and Instrumentation Laboratory (requirement ELEC 2472 concurrent ELEC 4380)	1
ELEC 4380	Control Systems and Instrumentation (requirement ELEC 2482 and ELEC 3480)	3
Prescribed distributive	Select one course from the prescribed Electronic Engineering Technology courses	3
Prescribed distributive	Select one course from the prescribed Electronic Engineering Technology courses	3
GECF 1010	Introduction to the Christian Faith	3
<b>TOTAL</b>		<b>17</b>

FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
ELEC 4971	Integrative Project	3
Prescribed distributive	Select one course from the prescribed Electronic Engineering Technology courses	3
ELECTIVE COURSE	Elective course (Choose one course)	3
GEHS 3020	Global Society	3
GEHS 3050	Human Development, Society and Culture	
GEHS 4020	Ancient and Medieval Western Civilization	
GEHS 4030	Modern and Contemporary Western Civilization (Select one of the four courses)	
GEPE 4040	Ethics and Social Responsibility	3
<b>TOTAL</b>		<b>15</b>

REQUIREMENTS FOR THEW BACHELOR

<b>DEGREE REQUIREMENTS</b>	<b>CREDITS</b>
General Education Requirements	48
Concentration requirements	64
Prescribed distributive requirements	9
Free electives	3
<b>TOTAL</b>	<b>124</b>

**NOTES:**

In the English curriculum, students will take one of the following sequences according to their PAA score:

Level 1 – Elementary: PAA score up to 440

Level 2 – Intermediate: PAA score from 441–580

Level 3 – Advanced: PAA score of 581 or higher

**PRESCRIBED DISTRIBUTIVES**

<b>COURSE NAME</b>	<b>CREDITS</b>
ELEC 2670 Solar Energy	3
ELEC 3132 Digital Circuits II	3
ELEC 3370 Programmable Logic Controllers	3
ELEC 3431 Electrical Systems	3
ELEC 397_Temas Specials	3
ELEC 4020 Systems with Microcontrollers	3
ELEC 4470 Robotics and Automation	3
ELEC 4910 Professional Practice	4