



Interamerican University of Puerto Rico  
Aguadilla Campus  
Department of Science Technology

## Sequential Bachelor of Science in Computer and Network Technology

Effective Date: 2018

### FIRST YEAR – FIRST SEMESTER

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
COTN 1120	Computer Program Design	3
GEEN 1101 GEEN 1201 GEEN 2311	English I (One of them according to the results of the College Board)	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>15</b>

### FIRST YEAR – SECOND SEMESTER

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
COTN 1131	Electronics I (requirement GEMA 1200)	3
COTN 1210	Computer Mathematics	3
COTN 1220	Data Communication	3
COTN 1230	Microcomputer Operating Systems	3
GEPS 1102	Literature and Communication: Essay and Theatre	3
<b>TOTAL</b>		<b>15</b>

### SECOND YEAR – FIRST SEMESTER

<b>CODE</b>	<b>COURSE</b>	<b>CRS.</b>
BADM 1550	Management and Business Organization	3
BADM 1900	Fundamentals of Business Management (Select one of the two courses)	3
COTN 2121	Network Administration I (COTN 1220 requirement)	3
COTN 2132	Electronics II (requirement COTN 1131)	3
GEEN 1102 GEEN 1202 GEEN 2312	English II (One of them according to the results of the College Board)	3
GEHS 2010	Historical Process of Contemporary Puerto Rico	3
<b>TOTAL</b>		<b>15</b>

SECOND YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 2122	Network Administration II (requirement COTN 2121)	3
COTN 2150	Network Applications Implementation (requirement COTN 2121)	3
COTN 2160	Network Installation and Router and Switch Configuration (requirement COTN 2121)	3
COTN 2210	Computerized Systems Diagnosis and Maintenance (requirement COTN 1131 and COTN 1230)	3
COTN 2220	Web Application Design and Implementation (requirement COTN 1120)	3
<b>TOTAL</b>		<b>15</b>

THIRD YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 2230	Network Diagnosis, Maintenance and Service (requirement COTN 2121)	3
COTN 3300	Computerized Systems Architecture (requirement COTN 2210)	3
COTN 3310	Database Analysis and Design (requirement COTN 2220)	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 Vision	3
<b>TOTAL</b>		<b>15</b>

THIRD YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 3315	Computerized Systems Analysis and Design (requirement COTN 3310)	3
COTN 3971	Emerging Topics in Network Technology (requirement COTN 2122 and COTN 2160)	3
GECF 1010	Introduction to the Christian Faith	3
GEEC 2000	Entrepreneurial Culture	3
GEPE 3010 GEPE 3020 GEPE 3030	Art Appreciation Music Appreciation Theatre Appreciation (Select one of the three courses)	3
<b>TOTAL</b>		<b>15</b>

FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 4150	Network Security (requirement COTN 2122 and 2230)	3
COTN 4200	Cryptography	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)	
GEST 2020	The Natural Environment and the Human Being	3
<b>TOTAL</b>		<b>15</b>

FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 4300	Information Systems Management (requirement COTN 3315 and COTN 1550 or 1900)	3
COTN 4910	Practicum (approval from department director)	3
ELECTIVE COURSE	Elective course (Choose one course)	3
GEHP 3000	Comprehensive Health and Quality of Life	3
GEPE 4040	Ethics and Social Responsibility	3
<b>TOTAL</b>		<b>15</b>

REQUIREMENTS FOR THE BACHELOR' DEGREE

DEGREE REQUIREMENTS	CREDITS
General Education Requirements	48
Concentration requirements	66
Elective courses	6
<b>TOTAL</b>	<b>120</b>

NOTES:

Students must pass concentration courses with a minimum grade of C.