



Interamerican University of Puerto Rico
Aguadilla Campus
Department of Science Technology

Sequential Bachelor of Science in Computer and Network Technology

STUDENTS ADMITTED - READMITTED JANUARY 2026

Effective Date: 2026

FIRST YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
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
COTN 1210	Computer Mathematics	3
GEMA 1200	Fundamentals of Algebra	3
GESP 1101	Literature and Communication: Narrative and Poetry	3
TOTAL		15

FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 1130	Fundamentals of Electronics (requirement GEMA 1200)	3
COTN 1220	Data Communications	3
COTN 1230	Microcomputer Operating Systems	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
TOTAL		15

SECOND YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 2121	Network Administration I (requirement COTN 1220)	3
COTN 2210	Computerized Systems Diagnosis and Maintenance (requirement COTN 1130 and COTN 1230)	3
COTN 2220	Web Application Design and Implementation (requirement COTN 1120)	3
GECF 1010	Introduction to the Christian Faith	3
GEIC 1010	Information and Computer Technologies	3
TOTAL		15

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 2230	Network Diagnosis, Maintenance and Service (requirement COTN 2121)	3
GEEN 1103 GEEN 1203 GEEN 2313	English III (One of them according to the results of the College Board)	3
TOTAL		15

THIRD YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
BADM 1900	Fundamentals of Business Management	3
COTN 3300	Computerized Systems Architecture (requirement COTN 2210)	3
COTN 3310	Database Analysis and Design (requirement COTN 2220)	3
COTN 3500	Cloud Computing and Network Virtualization (requirement COTN 2122 and COTN 2230)	3
GESP 2203	Literature and World Vision	3
TOTAL		15

THIRD YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 3315	Computerized Systems Analysis and Design (requirement 3310)	3
COTN 3971	Emerging Topics in Network Technology (requirement COTN 2122 and COTN 2160)	3
GEHP 3000	Comprehensive Health and Quality of Life	3
GEHS 2010	Historical Process of Contemporary Puerto Rico	3
GEST 2020	The Natural Environment and Human Beings	3
TOTAL		15

FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 4100	Cryptography (requirement COTN 2122 and COTN 2230)	3
COTN 4300	Information Systems Management (requirement COTN 3315 and BADM 1550 or 1900)	3
GEPE 3010	Art Appreciation	3
GEPE 3020	Music Appreciation	
GEPE 3030	Theatre Appreciation (Select one of the three courses)	
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)	
TOTAL		15

FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 4150	Network Security (requirement COTN 2122 and 2230)	3
COTN 4910	Practicum	3
ELECTIVE COURSE	Elective course (Choose one course)	3
GEEC 2000	Entrepreneurial Culture	3
GEPE 4040	Ethics and Social Responsibility	3
TOTAL		15

REQUIREMENTS FOR THE BACHELOR' DEGREE

DEGREE REQUIREMENTS	CREDITS
General Education Requirements	48
Concentration requirements	66
Elective courses	6
TOTAL	120

NOTES:

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

The COTN 4910 course requires 160 hours of in-person practicum experience at a site approved by the practicum coordinator.

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