



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

CODE	COURSE	CRS.
COTN 1120	Software 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
TOTAL		15

FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 1131	Electronics I (GEMA 1200 requirement)	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
TOTAL		15

SECOND YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
BADM 1900	Fundamentals of Business Management	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
TOTAL		15

SECOND YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 2122	Network Management II (requirement COTN 2121)	3
COTN 2150	Implementation of Network Applications (requirement COTN 2121)	3
COTN 2160	Network Installation and Configuration of Routers and Switches (COTN 2121 requirement)	3
COTN 2210	Diagnosis and Maintenance of Computer Systems (requirement COTN 1131 and COTN 1230)	3
COTN 2220	Design and Implementation of WEB Applications (COTN 1120 requirement)	3
TOTAL		15

THIRD YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 2230	Network Diagnostics, Maintenance and Service (requirement COTN 2121)	3
COTN 3300	Computer Systems Architecture (requirement COTN 2210)	3
COTN 3310	Database Analysis and Design (COTN 2220 requirement)	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
TOTAL		15

THIRD YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 3315	Analysis and Design of Computer Systems (requirement 3310)	3
COTN 3971	Emerging Issues in Network Technology (COTN 2122 and COTN 2160 requirement)	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 three courses)	3
TOTAL		15

FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CRS.
COTN 4150	Network Security	3
COTN 4200	Cryptography	3
ELECTIVE COURSE	Elective Course (Choose a course)	3
GEHS 3020	Global Society	3
GEHS 3050	Human Formation, Society and Culture	
GEHS 4020	Ancient and Medieval Western Civilization	
GEHS 4030	Modern and Contemporary Western Civilization (Select one of four courses)	
ELECTIVE COURSE	Elective Course (Choose a course)	3
TOTAL		15

FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CRS.
COTN 4300	Information Systems Management	3
COTN 4910	Practice	3
ELECTIVE COURSE	Elective Course (Choose a course)	3
GEHP 3000	Integral Health and Quality of Life	3
GEPE 4040	Ethics and social responsibility	3
TOTAL		15

REQUIREMENTS FOR THE BACHELOR

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

NOTES:

The student must pass with the minimum grade of C the concentration courses.