



Inter-American University of Puerto Rico  
Aguadilla Campus  
Business Administration Department

## Sequential for the Bachelor of Business Administration Degree in Information Technology

Students admitted, readmitted or with a change of concentration as of July 2018

Effective: July 2018

### FIRST YEAR – FIRST SEMESTER

CODE	COURSE	CREDITS
ITEC 1100	Introduction to Information Technology	3
ITEC 1200	Programming Algorithms	3
GESP 1101	Literature and Communication: Narrative and Poetry	3
GEEN 1101 GEEN 1201 GEEN 2311	English I (Take one of them according to the College Board results)	3
GEIC 1010	Information and Computing Technologies	3
<b>TOTAL</b>		<b>15</b>

### FIRST YEAR – SECOND SEMESTER

CODE	COURSE	CREDITS
ITEC 2310	Visual Programming in Information Systems (Requirement: ITEC 1200)	3
ITEC 2450	Website Development	3
GESP 1102	Literature and Communication: Essay and Theatre (Requirement: GESP 1101)	3
GEEN 1102 GEEN 1202 GEEN 2312	English II (Take one of them according to the College Board results) (Requirement: English I)	3
GEMA 1200	Fundamentals of Algebra	3
<b>TOTAL</b>		<b>15</b>

**SECOND YEAR – FIRST SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
ITEC 2560	Mobile Application Programming (Requirement: ITEC 1200)	3
ITEC 3130	Database Design and Management (Requirement: ITEC 2310)	3
ACCT 1161	Introduction to Financial Accounting	4
GEEN 1103 GEEN 1203 GEEN 2313	English III (One of them according to the results of the College Board) (Prerequisite: English II)	3
GESP 2203	Literature and World View (Requirement: GESP 1102)	3
<b>TOTAL</b>		<b>16</b>

**SECOND YEAR – SECOND SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
ITEC 3350	Telecommunications and Networks in Business (Requirement: ITEC 2450)	3
ITEC 3420	Analysis and Design of Information Systems (Requirement: ITEC 3130)	3
ACCT 1162	Introduction to Managerial Accounting (Requirement: ACCT 1161)	4
MAEC 2140	Fundamentals of Quantitative Methods (Requirement: GEMA 1200)	3
MAEC 2211	Principles of Microeconomics (Requirement: GEMA 1200)	3
<b>TOTAL</b>		<b>16</b>

**THIRD YEAR – FIRST SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
ITEC 3570	Internet Programming	3
MAEC 2212	Principles of Macroeconomics (Requirement: MAEC 2211)	3
MAEC 2221	Basic Statistics (Requirement: GEMA 1200)	3
MKTG 1210	Introduction to Marketing	3
BADM 1900	Fundamentals of Business Management	3
<b>TOTAL</b>		<b>15</b>

**THIRD YEAR – SECOND SEMESTER**

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
ITEC 4500	Information Systems Audit and Security (Requirement: ITEC 3420)	3
MAEC 2222	Management Statistics (Requirements: MAEC 2221 and MAEC 2140)	3
OMSY 3030 OMSY 3040	Business Communication in Spanish (Requirements: GESP 1102 and OMSY 1101 or GEIC 1010) Business Communication in English (Requirements: GEEN 1101 and OMSY 1101 or GEIC 1010) (Select one of the two courses)	3
GEHS 2010	Historical Process of Contemporary Puerto Rico	3
GEPE 3010 GEPE 3020 GEPE 3030	Art Appreciation Music Appreciation Theatre Appreciation (Select one of three courses)	3
<b>TOTAL</b>		<b>15</b>

### FOURTH YEAR – FIRST SEMESTER

CODE	COURSE	CREDITS
ITEC 4970	Seminar on Information Systems (Requirement: ITEC 3420)	3
GEHP 3000	Integrative Health and Quality of Life	3
GEST 2020	The Natural Environment and the Human Being	3
GECF 1010	Introduction to the Christian Faith	3
FREE ELECTIVE		3
<b>TOTAL</b>		<b>15</b>

### FOURTH YEAR – SECOND SEMESTER

CODE	COURSE	CREDITS
ITEC 4915	Practice	3
ITEC 4916	Project (Select one of the two courses)	3
GEEC 2000	Entrepreneurial Culture	3
FINA 2101	Corporate Finance I (Requirements: ACCT 1161 and GEMA 1200)	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)	
GEPE 4040	Ethics and Social Responsibility	3
<b>TOTAL</b>		<b>15</b>

DEGREE REQUIREMENTS	CREDITS
General Education Requirements	48
Concentration Requirements	36
Core Requirements	35
Elective Courses	3
<b>TOTAL</b>	<b>122</b>

### Concentration Requirements – 36 credits (pass with a minimum grade of C)

ITEC 1100	Introduction to Information Technology
ITEC 1200	Programming Algorithms
ITEC 2310	Visual Programming in Information Systems
ITEC 2450	Website Development
ITEC 2560	Mobile Application Programming
ITEC 3130	Database Design and Management
ITEC 3350	Telecommunications and Networks in Business
ITEC 3420	Information Systems Analysis and Design
ITEC 3570	Internet Programming
ITEC 4500	Audit and Security in Information Systems
ITEC 4915	Practicum or

ITEC 4916 Project  
ITEC 4970 Seminar on Information Systems

**Core Requirements – 35 credits (pass with a minimum grade of C)**

ACCT 1161 Introduction to Financial Accounting  
ACCT 1162 Introduction to Managerial Accounting  
BADM 1900 Fundamentals of Business Management  
FINA 2101 Corporate Finance I  
MAEC 2140 Fundamentals of Quantitative Methods  
MAEC 2211 Principles of Microeconomics  
MAEC 2212 Principles of Macroeconomics  
MAEC 2221 Basic Statistics  
MAEC 2222 Managerial Statistics  
MKTG 1210 Introduction to Marketing  
OMSY 3030 Business Communication in Spanish or  
OMSY 3040 Business Communication in English

**Elective Courses – 3 credits (check with your academic advisor)**

The student may select courses from any program of study but must meet the requirements of the selected course or take courses without prerequisites.

**PRACTICE:**

The internship (ITEC 4915) may be validated for students who have had satisfactory work experience and request it in writing to the director of the academic department. Such validation shall be subject to; Among other requirements, the student must have been working full-time for a minimum period of two consecutive years in a company within the three years immediately preceding the date of application. In addition, the student will pay 50% of the tuition fee for the internship course for which validation is requested.

Note: All students must comply with all the requirements in the General Catalog available on the website [aguadilla.inter.edu](http://aguadilla.inter.edu). The official evaluation of the student is conducted by the Registrar's Office after the graduation fee has been paid. Students of the Department of Economic and Administrative Sciences must pass the concentration courses with a minimum grade of "C".