

## **Information Technology (B.B.A.)**

The Bachelor's Degree Program in Business Administration in Information Technology provides practical preparation for administrators in the areas of Information Technology. The Program has been designed to facilitate a complete understanding of the goals, functions and operations of business organizations, their information needs and the role of information systems in such organizations. The Program also provides for the development of analytical and technical skills to identify, study and resolve problems of information control as well as the development of the communication skills that allow for effective interaction with other members of a business organization, especially the users and implementers of computerized systems of management information. The Program also provides a background for the continuation of graduate studies and professional development in this discipline. Students must pass the required core and major courses with a minimum grade of C.

### **Profile of the Competencies of Graduates**

This Program is designed to develop the competencies that will permit students to:

#### **Knowledge**

Demonstrate to knowledge and understanding of:

1. foundations and trends in the field of information technology.
2. Aspects of audit and security of the information technology.
3. Legal implications for the implementation and use of information technologies.
4. Processes to carry out electronic businesses, Enterprise Resource Planning and the management of information system projects.
5. Trends in programming languages, data bases and communications networks.

#### **Skills**

1. Program applications using computer languages.
2. Analyze the requirements for the implementation of computer networks in harmony with the company's needs.
3. Apply analytical techniques that will allow students to make decisions in a rational and efficient way.
4. Develop projects based on the information system development cycle and on the administration of new technologies.
5. Develop applications using the resources and services of the Internet that will allow the expansion of the company's functions at the global level.
6. Design data bases that will allow the development of enterprise applications.
7. Recommend policies of audit and security in information systems.
8. Communicate recommendations and findings with clarity and precision, both orally and in writing.

#### **Attitudes**

Demonstrate:

1. leadership under ethical and legal principles related to the field of information technology.
2. capacity to perform collaborative work.
3. a positive attitude towards professional improvement.

The requirements for the Bachelor in Business Administration Degree in Information Technology include the following: (1) 48 general education credits; (2) 35 core course credits, (3) 36 major credits; and (4) 3 elective credits.

Students have the option of taking courses for this program entirely in-person, entirely on line, or any hybrid of the two.

#### TOTAL COST OF PROGRAM

Tuition	\$23,180
Fees	\$3,200
Books	\$3,472
Supplies	<u>\$2,304</u>
Total	\$32,156

#### REQUIREMENTS FOR THE BACHELOR IN BUSINESS ADMINISTRATION DEGREE IN INFORMATION TECHNOLOGY

General Education Requirements	48 credits
Core Course Requirements	35 credits
Major Requirements	36 credits
Elective Courses	<u>3 credits</u>
Total	122

Forty-eight (48) credits are required as explained in the section “General Education Requirements for Bachelors’ Degrees.” Students will take the course GEMA 1200 in the Basic Skills in Mathematics category.

#### Core Course Requirements - 35 credits

ACCT 1161	Introduction to Financial Accounting	4
ACCT 1162	Introduction to Managerial Accounting	4
BADM 1900	Fundamentals of Management	3
FINA 2101	Corporate Finance I	3
MAEC 2140	Fundamentals of Quantitative Methods	3
MAEC 2211	Principles of Economics (MICRO)	3
MAEC 2212	Principles of Economics (MACRO)	3
MAEC 2221	Basic Statistics	3
MAEC 2222	Managerial Statistics	3
MKTG 1210	Introduction to Marketing	3
OMSY 3030	Business Communication in Spanish	
	or	

OMSY 3040	Business Communication in English	3
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**Major Requirements - 36 credits**

ITEC 1100	Introduction to Information Technology	3
ITEC 1200	Programming Algorithms	3
ITEC 2310	Visual Programming in Information Systems	3
ITEC 2450	Development of Web Page	
ITEC 3130	Database Design and Management	3
ITEC 3350	Telecommunications and Business Networks	3
ITEC 3400	Electronic Businesses	3
ITEC 3420	Information System Analysis and Design	3
ITEC 3570	Programming in Internet	3
ITEC 4500	Audit and Security of Information Systems	3
ITEC 4916	Project	3
ITEC 4970	Seminar in Information Systems	3

**Elective Requirements - 3 credits**

An elective course is (i) any course a student takes in any General Education, Major or Prescribed Distributive Course within the student's degree program, in addition to the courses that the student has taken to satisfy the minimum degree program requirements in each category and/or (ii) any course in another degree program. Provided that the student must meet course prerequisites and cannot count the same course twice.