

| <b>Universidad Ana G. Méndez – Gurabo Campus</b><br><b>School for Professional Studies</b>                       |  |   |                   |
|--|--|---|-------------------|
| <b>Computerized Information Systems</b><br><b>Credential Issued: Bachelor's in Business Administration (BBA)</b> |  | <b>Course Sequence (Study Plan)</b><br><b>Degree Requirement: 123 credits</b> |                   |
| <b>Code</b>  | <b>Course Title</b>  | <b>Credits</b>  | <b>Requisites</b> |
| <b>FIRST YEAR – FIRST SEMESTER</b>   |  |   |                   |
| QYLE 110-O   | Attitude Development and University Adaptation                 | 3   |                   |
| SPAN 115-O   | Reading, Writing, and Oral Communication in Spanish I          | 4   |                   |
| ENGL 115-O   | English Reading and Writing I                                  | 4   |                   |
| MATH 111-O   | Intermediate Algebra I   | 3   |                   |
| ACCO 111-O   | Introduction to Accounting I                                   | 3   |                   |
|  |  | <b>17</b>   |                   |
| <b>FIRST YEAR – SECOND SEMESTER</b>  |  |   |                   |
| SPAN 116-O   | Reading, Writing, and Oral Communication in Spanish II         | 4   | SPAN 115-O        |
| ENGL 116-O   | English Reading and Writing II                                 | 4   | ENGL 115-O        |
| MATH 112-O   | Intermediate Algebra II  | 3   | MATH 111-O        |
| ACCO 112-O   | Introduction to Accounting II                                  | 3   | ACCO 111-O        |
| COMP 110-O   | Computer and Software  | 3   |                   |
|  |  | <b>17</b>   |                   |
| <b>SECOND YEAR – FIRST SEMESTER</b>  |  |   |                   |
| SPAN 255-O   | Spanish for Writing and Research                               | 4   | SPAN 116-O        |
| ENGL 331-O   | Public Speaking  | 4   | ENGL 116-O        |
| SOSC 111-O   | Individual, Community, Government, and Social Responsibility I | 3   |                   |
| COIS 102-O   | Logical Concepts and Problem Solving                           | 3   | COMP 110-O        |
| MANA 210-O   | Business Administration Theory                                 | 3   |                   |
|  |  | <b>17</b>   |                   |
| <b>SECOND YEAR – SECOND SEMESTER</b>   |  |   |                   |
| COIS 240-O   | Object Oriented Programing                                     | 3   |                   |
| MANA 230-O   | Organizational Behavior  | 3   | MANA 210-O        |
| SCIE 111-O   | Integrated Science I   | 3   |                   |
| ECON 121-O   | Introduction to Economics: Microeconomics                      | 3   |                   |
| STAT 201-O   | Administration Statistics I                                    | 3   | MATH 112-O        |
|  |  | <b>15</b>   |                   |
| <b>THIRD YEAR – FIRST SEMESTER</b>   |  |   |                   |
| MANA 204-O   | Business Law and Professional Ethics                           | 3   |                   |
| SCIE 112-O   | Integrated Science II  | 3   | SCIE 111-O        |
| ECON 122-O   | Introduction to Economics: Macroeconomics                      | 3   | ECON 121-O        |
| STAT 202-O   | Administration Statistics II                                   | 3   | STAT 201-O        |
| COIS 250-O   | System Analysis and Design                                     | 3   | COIS 102-O        |
|  |  | <b>15</b>   |                   |
| <b>THIRD YEAR – SECOND SEMESTER</b>  |  |   |                   |
| FINA 202-O   | Business Finance   | 3   | ACCO 112-O        |
| PSYC 123-O   | General Psychology (Compendium)                                | 3   |                   |
| INBU 350-O   | International Business   | 3   |                   |
| MARK 133-O   | Marketing Principles   | 3   |                   |
| COIS 360-O   | Introduction to Telecommunications and Computer Networks       | 3   | COMP 110-O        |
|  |  | <b>15</b>   |                   |

| Code  | Course Title  | Credits   | Requisites                           |
|---|---|-----------|--------------------------------------|
| <b>FOURTH YEAR – FIRST SEMESTER</b>   |   |           |                                      |
| ENTR 360-O  | Entrepreneurship  | 3         | FINA 202-O                           |
| HUMA 101-O  | World Cultures I  | 3         |                                      |
| COIS 420-O  | Introduction to Databases and SQL Programming                 | 3         | COIS 240-O, COIS 250-O               |
|   | <i>Computerized Information Systems Specialization Course</i> | 3         |                                      |
|   | <i>Computerized Information Systems Specialization Course</i> | 3         |                                      |
|   |   | <b>15</b> |                                      |
| <b>FOURTH YEAR – SECOND SEMESTER</b>  |   |           |                                      |
| HUMA 102-O  | World Cultures II   | 3         | HUMA 101-O                           |
| MANA 340-O  | Operations Management   | 3         | STAT 201-O                           |
|   | <i>Computerized Information Systems Specialization Course</i> | 3         |                                      |
| COIS 450-O  | Information Systems Development Project                       | 3         | All Major and Specialization Credits |
|   |   | <b>12</b> |                                      |
| <p>Language skills in English and in Spanish will be assessed with a placement test. Additional language courses may be needed according to the student's proficiency in each language. If students qualify for Preparatory Language Courses or developmental Language Courses, they must enroll in the courses immediately to increase academic performance in the language. Students must abide with the minimum required hours and policies set by the state and local education agencies for practicum experiences. Students must comply with state and local education certification requirements for the degree, as applicable. * Graduates must meet the certification requirements set forth by the Texas Education Agency. Revised 07/2016</p> |   |           |                                      |

## **Program Description**

This major provides an ample curriculum so that the student has the opportunity to know the different current technological trends and to develop his level of competence in the use of emergent applications, in the field of information systems. The commitment of this major is to develop professionals able to become effective agents of change in their field, for the benefit of the organization and society in general.

## **Descripción de programa**

Esta especialidad ofrece un currículo amplio que ofrece al estudiante la oportunidad de conocer las diferentes tendencias tecnológicas actuales y desarrollar su nivel de competencia en el uso de aplicaciones emergentes, en el campo de los sistemas de información. El compromiso de esta especialidad es desarrollar profesionales capaces de convertirse en agentes efectivos de cambio en su campo, en beneficio de la organización y la sociedad en general.