

## CURRICULAR SEQUENCE SAMPLE BY ACADEMIC TERM

### BACHELOR'S DEGREE IN BUSINESS ADMINISTRATION MAJOR IN INFORMATION SYSTEMS

**General Objective:** Develop highly skilled professionals in the analysis, design, development, and management of information systems, integrating technical knowledge with critical thinking to solve business challenges in a dynamic and competitive environment. Promote innovation and creativity in the use of technology through educational experiences that drive the design of information solutions adapted to the evolving needs of society and the marketplace. Train specialists in programming, cybersecurity, databases, and information technology management who are capable of leading technology projects with ethical responsibility, professionalism, and a commitment to quality. Encourage the integral development of students, strengthening communication, collaboration, leadership, and social responsibility skills in alignment with institutional values. Contribute to the economic and technological development of the region and the country by preparing inclusive, entrepreneurial, and socially responsible professionals who can succeed in local and international organizations or launch their ventures.

**REQUIREMENTS (Credits):** GE = General Education (45) | P = Professional (33) | M = Major (39) | E = Electives (12)

**UP = Undergraduate Project (6) | (AT = Academic Term) | (Pre = prerequisites) | TOTAL CREDITS: 132**

|                       |    |          |                                                                   |                        |    |          |                                                                                |
|-----------------------|----|----------|-------------------------------------------------------------------|------------------------|----|----------|--------------------------------------------------------------------------------|
| 1 <sup>st</sup><br>AT | GE | HUM 103  | Literary Genres                                                   | 7 <sup>th</sup><br>AT  | GE | HUM 300  | Western Civilization: Ancient Culture                                          |
|                       | GE | CSOC 100 | Human Growth and Social Adaptability                              |                        | P  | EST 300  | Statistics<br>Pre: MAT 201                                                     |
|                       | P  | CCO 101  | Introduction to Computers                                         |                        | M  | ASI 403  | Object Oriented Programming C# Java<br>Pre: CCO 101, ASI 220, CCO 207, ASI 308 |
|                       | GE | MAT 201  | Algebra                                                           |                        | P  | ADM 104  | Entrepreneurship<br>Pre: MAT 201, ESP 208, ING 101                             |
| 2 <sup>nd</sup><br>AT | GE | ING 101  | General English                                                   | 8 <sup>th</sup><br>AT  | GE | BIOL 302 | Animal Kingdom                                                                 |
|                       | GE | ESP 208  | Creative Communication                                            |                        | P  | DG 203   | Computerized Illustration                                                      |
|                       | M  | CCO 207  | Database Management<br>Pre: CCO 101                               |                        | M  | ASI 407  | Auditing Information Systems<br>Pre: CCO 101, ADM 400                          |
|                       | P  | CCO 103  | Commercial Software Management<br>Pre: CCO 101                    |                        | P  | MA 111   | Multimedia Marketing                                                           |
| 3 <sup>rd</sup><br>AT | GE | MAT 203  | Geometry and Trigonometry                                         | 9 <sup>th</sup><br>AT  | GE | CSOC 300 | Psychology                                                                     |
|                       | M  | ASI 220  | HTML Programming<br>Pre: CCO 101                                  |                        | GE | HUM 302  | Western Civilization: Modern Times                                             |
|                       | M  | ASI 217  | Network and Data Communication<br>Pre: CCO 101                    |                        | M  | ASI 410  | Python and JavaScript<br>Pre: CCO 101, ASI 220, CCO 207, ASI 308               |
|                       | P  | MER 101  | Principles of Marketing                                           |                        | M  | ASI 307  | System Analysis and Design<br>Pre: CCO 101, ASI 220, CCO 207, ASI 308          |
| 4 <sup>th</sup><br>AT | GE | CSOC 103 | Human Relations                                                   | 10 <sup>th</sup><br>AT | GE | HUM 311  | Modern Art History                                                             |
|                       | P  | CON 101  | Principles of Accounting<br>Pre: MAT 201                          |                        | P  | FIN 300  | Finance<br>Pre: MAT 201                                                        |
|                       | M  | ASI 304  | Advanced Database Management<br>Pre: CCO 207                      |                        | UP | ADM 419  | Seminar: Pre: 27 credits approved in major,<br>ADM 104                         |
|                       | M  | ASI 215  | Administration of Information Center<br>Pre: CCO 101              |                        | E  |          | Elective                                                                       |
| 5 <sup>th</sup><br>AT | GE | BIOL 200 | Plant Kingdom                                                     | 11 <sup>th</sup><br>AT | E  |          | Elective                                                                       |
|                       | P  | DG 111   | Design and Editing of Digital Images                              |                        | E  |          | Elective                                                                       |
|                       | M  | ADM 400  | Management Information System<br>Pre: CCO 101, CCO 103, CCO 207   |                        | E  |          | Elective                                                                       |
|                       | M  | ASI 308  | PHP with SQL Programming<br>Pre: CCO 101, ASI 220, CCO 207        |                        | UP | ADM 475  | Professional Development<br>Pre: ADM 104, 27 credits approved in major         |
| 6 <sup>th</sup><br>AT | GE | ING 300  | Conversational English                                            |                        |    |          |                                                                                |
|                       | P  | ECO 200  | Economics                                                         |                        |    |          |                                                                                |
|                       | M  | ASI 303  | Object Oriented Programming C++<br>Pre: CCO 101, ASI 220, CCO 207 |                        |    |          |                                                                                |
|                       | GE | CSOC 204 | Puerto Rico: A Contemporary Approach                              |                        |    |          |                                                                                |