



**CARIBBEAN UNIVERSITY**  
 BAYAMÓN, CAROLINA, VEGA BAJA Y PONCE

**DEPARTAMENTO DE: INGENIERÍA Y TECNOLOGÍA DE LA INFORMÁTICA**

**BACHILLERATO EN: CIENCIAS DE COMPUTADORAS**  
**CON CONCENTRACIÓN EN PROGRAMACIÓN DE COMPUTADORAS**

**CATALOGO 2025 - 2029    TOTAL DE CRÉDITOS 125**

Nombre: \_\_\_\_\_

Fecha: \_\_\_\_\_

Número de estudiante: \_\_\_\_\_

Asesor Académico: \_\_\_\_\_

| PRIMER SEMESTRE<br>CURSOS                         | CRS       | PRE REQ | CO REQ. | IP | AP |
|---|-----------|---------|---------|----|----|
| ENGL 101 Basic Course in English I                | 3         |         |         |    |    |
| SPAN 101 Basic course in Spanish I                | 3         |         |         |    |    |
| MATH 101 Introduction to College Mathematics I    | 3         |         |         |    |    |
| COSC 101 Intro. To Computer Science               | 3         |         |         |    |    |
| UNIV 100 Intro. and Adjustment to University Life | 3         |         |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                          | <b>15</b> |         |         |    |    |

| SEGUNDO SEMESTRE<br>CURSOS                      | CRS       | PRE REQ  | CO REQ. | IP | AP |
|---|-----------|----------|---------|----|----|
| ENGL 102 Basic Course in English II             | 3         | ENGL 101 |         |    |    |
| SPAN 102 Basic Course in Spanish II             | 3         | SPAN 101 |         |    |    |
| MATH 102 Introduction to College Mathematics II | 3         | MATH 101 |         |    |    |
| COSC 112 Microcomputer App. in Business         | 3         | COSC 101 |         |    |    |
| COSC 115 Fundamentals of Programming Logic      | 3         | COSC 101 |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                        | <b>15</b> |          |         |    |    |

| TERCER SEMESTRE<br>CURSOS                          | CRS       | PRE REQ  | CO REQ. | IP | AP |
|--|-----------|----------|---------|----|----|
| ENGL 217 Oral and Writing Communication in English | 3         | ENGL 102 |         |    |    |
| MATH 133 Pre-Calculus I                            | 3         | MATH 102 |         |    |    |
| COSC 207 Visual Basic I                            | 3         | COSC 115 |         |    |    |
| COSC 210 Operating Systems                         | 3         | COSC 101 |         |    |    |
| COSC 215 Web Page Design and Implementation        | 3         | COSC 101 |         |    |    |
| SPLAT 310 Sign Language                            | 3         |          |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                           | <b>18</b> |          |         |    |    |

| CUARTO SEMESTRE<br>CURSOS                                | CRS       | PRE REQ  | CO REQ. | IP | AP |
|--|-----------|----------|---------|----|----|
| GESG 101 Fundamentals of General Sciences                | 4         |          |         |    |    |
| MATH 134 Pre-Calculus II                                 | 3         | MATH 133 |         |    |    |
| COSC 204 C Language and Programming                      | 3         | COSC 115 |         |    |    |
| COSC 206 Data Base Management                            | 3         | COSC 112 |         |    |    |
| Socio Humanistic Course (SOSC 103, HUMA 215 or HUMA 206) | 3         |          |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                                 | <b>16</b> |          |         |    |    |

| QUINTO SEMESTRE   |           |          |         |    |    |
|---|-----------|----------|---------|----|----|
| CURSOS  | CRS       | PRE REQ  | CO REQ. | IP | AP |
| MATH 230 Calculus I                                     | 4         | MATH 134 |         |    |    |
| COSC 208 Visual Basic II                                | 3         | COSC 207 |         |    |    |
| COSC 231 Basic Principles of Repair and Maint. of Comp. | 3         | COSC 101 |         |    |    |
| COSC 307 System Analysis and Design I                   | 3         | COSC 115 |         |    |    |
| Socio Humanistic Course (SOSC 103,HUMA 215 or HUMA 206) | 3         |          |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                                | <b>16</b> |          |         |    |    |

| SEXTO SEMESTRE                                      |           |          |         |    |    |
|---|-----------|----------|---------|----|----|
| CURSOS  | CRS       | PRE REQ  | CO REQ. | IP | AP |
| COSC 217 Design and Development of Mobile Apps      | 3         | COSC 115 |         |    |    |
| COSC 272 JAVA Programming                           | 3         | COSC 115 |         |    |    |
| COSC 315 Network and Computing Center               | 3         | COSC 210 |         |    |    |
| MATH 319 Introduction to Probability and Statistics | 3         | MATH 230 |         |    |    |
| Suggested Elective                                  | 3         |          |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                            | <b>15</b> |          |         |    |    |

| SÉPTIMO SEMESTRE                            |           |                      |         |    |    |
|---|-----------|----------------------|---------|----|----|
| CURSOS                                      | CRS       | PRE REQ              | CO REQ. | IP | AP |
| COSC 402 Introduction to Python Programming | 3         | COSC 115             |         |    |    |
| COSC 309 Data Structure                     | 3         | COSC 204             |         |    |    |
| COSC 401 Security of Computer Systems       | 3         | COSC 315             |         |    |    |
| *COSC 419 Project Design                    | 3         | COSC 206<br>COSC 307 |         |    |    |
| Computer Science Elective                   | 3         |                      |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>                    | <b>15</b> |                      |         |    |    |

\*Approval of Program Coordinator

| OCTAVO SEMESTRE                  |           |          |         |    |    |
|----------------------------------|-----------|----------|---------|----|----|
| CURSOS                           | CRS       | PRE REQ  | CO REQ. | IP | AP |
| COSC 413 Computer Architecture   | 3         | COSC 231 |         |    |    |
| COSC 410 Artificial Intelligence | 3         | COSC 307 |         |    |    |
| *COSC 420 Practice               | 3         | COSC 419 |         |    |    |
| Computer Science Elective        | 3         |          |         |    |    |
| Computer Science Elective        | 3         |          |         |    |    |
| <b>TOTAL DE CRÉDITOS</b>         | <b>15</b> |          |         |    |    |

\*Approval of Program Coordinator

**LEYENDA: CRS= CRÉDITOS / PRE.REQ= PRE.REQUISITO / IP= EN PROCESO / AP= APROBADO**

*El proceso de Asesoría Académica y el seguimiento de este secuencial es requisito para que el estudiante pueda completar su Programa Académico. Caribbean University no se responsabiliza en garantizar cursos fuera del orden de este secuencial. El no cumplir con esta disposición puede afectar la disponibilidad de ayudas económicas durante sus años de estudios y la fecha proyectada de graduación.*

Firma del estudiante: \_\_\_\_\_

Fecha: \_\_\_\_\_

