



Interamerican University of Puerto Rico
Aguadilla Campus
Department of Science Technology

Sequential Associate of Applied Science in Computer Science

STUDENTS ADMITTED AUGUST 2024

Effective Date: 2024

FIRST YEAR – FIRST SEMESTER

| CODE | COURSE | CRS. |
|-------------------------------------|---|-----------|
| COMP 2051 | Client-Side Web Development ("Front-End") | 3 |
| COMP 2120 | Programming Logic | 3 |
| COMP 2200 | User Experience and Interface Design ("UX & UI") | 3 |
| GEEN 1101 GEEN 1201 GEEN 2311 | English I (One of them according to the results of the College Board) | 3 |
| GEMA 1200 | Fundamentals of Algebra | 3 |
| TOTAL | | 15 |

FIRST YEAR – SECOND SEMESTER

| CODE | COURSE | CRS. |
|-------------------------------------|--|-----------|
| COMP 2052 | Server-Side Web Development and Microservices ("Back-End") (requirement COMP 2120 and 2051) | 3 |
| COMP 2315 | Structured Programming (requirement COMP 2120) | 3 |
| COMP 2800 | Databases (requirement COMP 2120) | 3 |
| GEEN 1102 GEEN 1202 GEEN 2312 | English II (One of them according to the results of the College Board) | 3 |
| GESP 1101 | Literature and Communication: Narrative and Poetry | 3 |
| TOTAL | | 15 |

SECOND YEAR – FIRST SEMESTER

| CODE | COURSE | CRS. |
|-------------------------------------|---|-----------|
| COMP 2053 | Integrated Web Development ("Full-Stack") (requirement COMP 2052, 2315 and 2800) | 3 |
| COMP 2400 | Object-Oriented Programming (requirement COMP 2315) | 3 |
| COMP 2700 | Cybersecurity (requirement COMP 2315) | 3 |
| GEEN 1103 GEEN 1203 GEEN 2313 | English III (One of them according to the results of the College Board) | 3 |
| MATH 1500 | Pre-calculus (requirement GEMA 1200) | 5 |
| TOTAL | | 17 |

SECOND YEAR – SECOND SEMESTER

| CODE | COURSE | CRS. |
|--------------|--|-----------|
| COMP 2970 | Seminar and Practice (requirement COMP 2400 and 2800) | 3 |
| GECF 1010 | Introduction to the Christian Faith | 3 |
| GEHS 2010 | Historical Process of Contemporary Puerto Rico | 3 |
| GEEC 2000 | Entrepreneurial Culture (Select one of the two courses) | 3 |
| GEIC 1010 | Information and Computer Technologies | 3 |
| GESP 1102 | Literature and Communication: Essay and Theatre | 3 |
| TOTAL | | 15 |

REQUIREMENTS FOR THE BACHELOR

| DEGREE REQUIREMENTS | CREDITS |
|--------------------------------|-----------|
| General education requirements | 24 |
| Concentration requirements | 35 |
| TOTAL | 59 |