

# Computer Software Development Certificate

## *Engineering & Information Technologies*

2020-2021 Curriculum

| Course     | Title                                             | Pre-Reqs       | Lec | Lab | Credit<br>Hours |
|------------|---------------------------------------------------|----------------|-----|-----|-----------------|
| Semester 1 |                                                   |                |     |     |                 |
| IT-101     | Programming 1                                     |                | 2   | 3   | 3               |
| IT-111     | Database Design & SQL 1                           |                | 2   | 3   | 3               |
|            |                                                   |                |     |     | 6               |
| Semester 2 |                                                   |                |     |     |                 |
| CPDM 120   | Fund. of Object-Oriented Programming Using Python | IT 101, IT 111 | 2   | 3   | 3               |
| IT-102     | Programming 2                                     | IT 101, IT 111 | 2   | 3   | 3               |
|            |                                                   |                |     |     | 6               |
| Semester 3 |                                                   |                |     |     |                 |
| XXX-XXX    | Technical Elective 1                              |                | 2   | 3   | 3               |
| XXX-XXX    | Technical Elective 2                              |                | 2   | 3   | 3               |
|            |                                                   |                |     |     | 6               |
| Total      |                                                   |                |     |     | 18              |