

# Business Programming and Systems Analysis

## Center for Innovative Technologies Division

2015-2016 Curriculum

**Note: All degree seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.**

| Course     | Title                              | Pre-Reqs | Lec | Lab | Credit Hours |
|------------|------------------------------------|----------|-----|-----|--------------|
| Semester 1 |                                    |          |     |     |              |
| ENG-101    | English Composition 1              |          | 3   | 0   | 3            |
| IT-100     | Computer Programming Foundations   |          | 2   | 3   | 3            |
| IT-110     | HTML with CSS and JavaScript       |          | 3   | 3   | 4            |
| XXX-XXX    | Humanities/Social Science Elective |          | 3   | 0   | 3            |
|            |                                    |          |     |     | 13           |

### Semester 2

|          |                                     |             |   |   |    |
|----------|-------------------------------------|-------------|---|---|----|
| BPA-130  | Business System Analysis and Design | See Catalog | 2 | 3 | 3  |
| CIT-190  | Career Preparation                  |             | 1 | 0 | 1  |
| COMM-110 | Public Speaking                     | ENG 101     | 3 | 0 | 3  |
| IT-101   | .NET Programming 1                  |             | 2 | 3 | 3  |
| IT-111   | Database Design and SQL             |             | 3 | 3 | 4  |
|          |                                     |             |   |   | 14 |

### Semester 3

|         |                      |                        |   |   |    |
|---------|----------------------|------------------------|---|---|----|
| ACC-101 | Financial Accounting |                        | 2 | 2 | 3  |
| IT-102  | .NET Programming 2   | IT 101                 | 3 | 3 | 4  |
| IT-140  | PHP and MySQL        | IT 101, IT 110, IT 111 | 3 | 3 | 4  |
| IT-161  | Java Programming     | IT 101                 | 3 | 3 | 4  |
|         |                      |                        |   |   | 15 |

### Semester 4

|         |                                        |         |   |    |   |
|---------|----------------------------------------|---------|---|----|---|
| BPA-291 | Full-Time Cooperative Education 1: BPA | CIT 190 | 1 | 40 | 2 |
| XXX-XXX | Technical Elective 1                   |         | 3 | 2  | 4 |
|         |                                        |         |   |    | 6 |

### Semester 5

|         |                                      |                             |   |   |    |
|---------|--------------------------------------|-----------------------------|---|---|----|
| BPA-290 | BPA Capstone                         | BPA 211, IT 161, and IT 210 | 3 | 3 | 4  |
| ECO-1XX | Economics Elective                   |                             | 3 | 0 | 3  |
| ENG-10X | English Composition Elective         |                             | 3 | 0 | 3  |
| IT-220  | Emerging Topics in Comp Software Dev | IT 101, IT 110, IT 111      | 2 | 3 | 3  |
| MAT-XXX | Mathematics Elective                 | See Catalog                 | 2 | 2 | 3  |
|         |                                      |                             |   |   | 16 |

### Semester 6

|         |                                        |         |   |    |   |
|---------|----------------------------------------|---------|---|----|---|
| BPA-292 | Full-time Cooperative Education 2: BPA | BPA 291 | 1 | 40 | 2 |
| XXX-XXX | Technical Elective 2                   |         | 3 | 2  | 4 |
|         |                                        |         |   |    | 6 |

Total **70**

Economics Elective: ECO 105, ECO 110

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

Humanities/Social Sciences Elective: Take COMM 130, Any ART, CRJ, CULT, FRN, GEO, HST, LBR, LIT, MUS, PHI, POL, PSY, REL, SOC, SPN, THE

Mathematics Elective: MAT 125, MAT 130, MAT 131, MAT 150, MAT 151

Technical Electives: Take one of the following sequences: BPA 230 and BPA 240, or BPA 211 and BPA 212, or CPDM 151 and CPDM 152