

# COMPUTER INFORMATION TECHNOLOGY - ASSOCIATE DEVELOPER, CERTIFICATE OF ACHIEVEMENT (LEVEL II)

NMC Code 094

Students completing the CIT Assistant Developer Certificate may elect to continue their education and obtain a Level II Certificate. This program prepares students for careers as software and web developers using the latest industry technologies.

## Program Note

- Completion of this certificate may lead to an AAS degree in CIT-Developer by taking additional courses. See an advisor for details.

## Requirements

### Certificate Requirements

| Course   | Title                       | Credits      |
|--|-----------------------------|--------------|
| <b>Complete Level I Certificate Requirements</b> |                             | <b>19</b>    |
| <b>Level II Certification Requirements</b>       |                             |              |
| CIT 218  | Web Application Development | 3            |
| CIT 228  | Advanced Database Systems   | 3            |
| CIT 255  | Object-Oriented Programming | 3            |
| <b>Specialty Electives</b>                       |                             |              |
| Select one course from the list                  |                             | 2-3          |
| <b>Total Credits</b>                             |                             | <b>30-31</b> |

### specialty electives

| Course         | Title                     | Credits |
|----------------|---------------------------|---------|
| Any CIT course |                           | 2-3     |
| MKT 208        | Digital Marketing         | 2       |
| VCA 125        | Typography I              | 3       |
| VCA 127        | Digital Imaging           | 3       |
| VCA 150        | Digital Graphics Design I | 3       |

## Course Sequence Guide

| Course         | Title                        | Credits   |
|----------------|------------------------------|-----------|
| <b>Year 1</b>  |                              |           |
| <b>Fall</b>    |                              |           |
| CIT 110        | Programming Logic and Design | 3         |
| CIT 178        | Relational Databases         | 3         |
| CIT 180        | Web Development              | 3         |
| <b>Credits</b> |                              | <b>9</b>  |
| <b>Spring</b>  |                              |           |
| CIT 190        | JavaScript Programming       | 3         |
| CIT 195        | Application Development      | 3         |
| CIT 213        | Networking Technologies      | 4         |
| <b>Credits</b> |                              | <b>10</b> |

### Year 2

#### Fall

Select one of the following Specialty Electives: 2-3

|                |                             |            |
|----------------|-----------------------------|------------|
| Any CIT course |                             |            |
| MKT 208        | Digital Marketing           |            |
| VCA 125        | Typography I                |            |
| VCA 127        | Digital Imaging             |            |
| VCA 150        | Digital Graphics Design I   |            |
| CIT 218        | Web Application Development | 3          |
| CIT 255        | Object-Oriented Programming | 3          |
| <b>Credits</b> |                             | <b>8-9</b> |

#### Spring

|                      |                           |              |
|----------------------|---------------------------|--------------|
| CIT 228              | Advanced Database Systems | 3            |
| <b>Credits</b>       |                           | <b>3</b>     |
| <b>Total Credits</b> |                           | <b>30-31</b> |