

# Information Technology



## Associate in Applied Science 62-63 Semester Hours

### General Education Requirements

|          |                               |           |
|----------|-------------------------------|-----------|
| COMM 101 | Intro to Oral Communication   | 3 hrs.    |
| ENGL 101 | Composition I                 | 3         |
| MATH     | Elective (MATH 109 or higher) | 4         |
|          | Science Elective              | 4         |
|          | Humanities Elective           | 3         |
|          | Social Science Elective       | 3         |
|          | <b>TOTAL</b>                  | <b>20</b> |

### Core Requirements

|          |                                       |           |
|----------|---------------------------------------|-----------|
| CSCI 101 | Intro to Computer Information Science | 4         |
| CSCI 130 | Computer Science I                    | 4         |
| NETW 160 | Introduction to Networking            | 3         |
|          | <b>TOTAL</b>                          | <b>11</b> |

### Technical Elective/Specialization\*\*

*Electives as approved by advisor or Technology Division. Electives are recommended from the option or specialization areas outlined below and may include internship or special topics courses. Students who intend to transfer to a four-year school should contact an advisor or the department.*

#### \*\*Option/Emphasis Areas:

##### Computer Science Option

|          |   |           |
|----------|---|-----------|
| CSCI 110 | Intro to Database Management Systems                      | 3         |
| CSCI 115 | Discrete Structures                                       | 4         |
| CSCI 131 | Computer Science II                                       | 4         |
| CSCI     | 200-Level elective  | 6         |
| MATH 142 | Business Statistics (or MATH 141)                         | 4         |
| MATH 161 | Calculus I  | 4         |
| NETW 150 | Workstation Operating Systems                             | 3         |
|          | Electives (course selected from CSCI/<br>DMED/NETW areas) | 3         |
|          | <b>TOTAL</b>  | <b>31</b> |

##### Management Information Systems Option

|          |  |           |
|----------|--|-----------|
| ACCT 200 | Financial Accounting                       | 4         |
| CSCI 110 | Intro to Database Management Systems       | 3         |
| CSCI 135 | COBOL Programming I                        | 3         |
| CSCI 136 | Programming in Visual Basic                | 3         |
| MATH 142 | Business Statistics (or MATH 141)          | 4         |
| NETW 150 | Workstation Operating Systems              | 3         |
| BUSN     | Elective (courses selected from BUSN area) | 6         |
| CSCI     | Elective (courses selected from CSCI area) | 6         |
|          | <b>TOTAL</b>                               | <b>32</b> |

### Web Application Developer Option

|          |   |           |
|----------|---|-----------|
| CSCI 110 | Intro to Database Management Systems          | 3         |
| CSCI 115 | Discrete Structures                           | 4         |
| CSCI 131 | Computer Science II                           | 4         |
| CSCI 233 | Enterprise Application Programming in Java I  | 3         |
|          | Or  |           |
| CSCI 234 | Enterprise Application Programming in Java II | 3         |
| DMED 110 | Web Page Development                          | 3         |
| DMED 150 | Interactive Digital Media                     | 3         |
| DMED 160 | Web Server Administration                     | 3         |
| DMED 210 | Advanced Web Page Design                      | 3         |
| DMED 270 | JavaScript                                    | 3         |
|          | Or  |           |
| DMED 275 | PHP   | 3         |
| NETW 150 | Workstation Operating Systems                 | 3         |
|          | <b>TOTAL</b>                                  | <b>32</b> |

### Mobile Application Developer Option

|          |   |           |
|----------|---|-----------|
| CSCI 110 | Intro to Database Management Systems                  | 3         |
| CSCI 151 | iPhone Programming                                    | 4         |
| CSCI 153 | Android Development                                   | 4         |
| DMED 120 | Computer Imaging & Design                             | 3         |
| DMED 150 | Interactive Digital Media                             | 3         |
|          | Two of the following:                                 |           |
| CSCI 251 | Mobile Game Programming                               | 4         |
| CSCI 252 | Mobile Application Programming                        | 4         |
| CSCI 253 | Mobile Communications Programming                     | 4         |
|          | Elective (courses selected from CSCI/DMED/NETW areas) | 6         |
|          | <b>TOTAL</b>  | <b>31</b> |

The Associate in Applied Science degree in Information Technology prepares the student for a variety of entry-level positions. Examples include application programmer, business programmer, web application developer, and mobile application developer. Students receive a minimum of three semesters of hands-on programming experience in a high-level programming language. Experiences in additional languages and platforms will depend on the chosen option area.

