



# Plan of Study

## ASSOCIATE OF SCIENCE

### SOFTWARE DEVELOPMENT

Catalog Year: 2025-2026

**Sample Schedule:** students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in **two years**.

### FIRST YEAR

#### Fall Semester

| Course                     | Prerequisites / Comments | Credits | Semester(s) Offered |
|----------------------------|--------------------------|---------|---------------------|
| CSC 105 Intro to Computers |                          | 3       |                     |
| CSC 150 Computer Science I |                          | 3       |                     |
| Arts and Humanities        |                          | 3       |                     |
| MATH 114 College Algebra   |                          | 3       |                     |
| ENGL 101 Composition I     |                          | 3       |                     |
|                            |                          |         |                     |
| Total Credit Hours         |                          | 15      |                     |

#### Spring Semester

| Course                                    | Prerequisites / Comments | Credits | Semester(s) Offered |
|-------------------------------------------|--------------------------|---------|---------------------|
| CSC 163 Hardware, Virtual. and Data Comm. |                          | 3       |                     |
| CSC 250 Computer Science II               | CSC 150                  | 3       |                     |
| Social Science                            |                          | 3       |                     |
| CMST 101, 215 or 222                      |                          | 3       |                     |
| Natural Science                           |                          | 3       |                     |
|                                           |                          |         |                     |
| Total Credit Hours                        |                          | 15      |                     |

### SECOND YEAR

#### Fall Semester

| Course                                                 | Prerequisites / Comments | Credits | Semester(s) Offered |
|--------------------------------------------------------|--------------------------|---------|---------------------|
| CSC 234 Software Security                              | CSC 250                  | 3       |                     |
| CSC 260 Object Oriented Design                         | CSC 250                  | 3       |                     |
| CSC 334 Web Development                                | CSC 250                  | 3       |                     |
| Major Elective (Choose from list in catalog)           |                          | 3       |                     |
| Arts and Humanities, Natural Science or Social Science |                          | 3       |                     |
|                                                        |                          |         |                     |
| Total Credit Hours                                     |                          | 15      |                     |

#### Spring Semester

| Course                                                                                   | Prerequisites / Comments | Credits | Semester(s) Offered |
|------------------------------------------------------------------------------------------|--------------------------|---------|---------------------|
| CIS 332 Structured System Analysis and Design or<br>CIS 424 Software Dev with Agile Meth | CSC 150<br>CSC 250       | 3       |                     |
| CIS 484 Database Management Systems                                                      |                          | 3       |                     |
| Major Elective (Choose from list in catalog)                                             |                          | 3       |                     |
| Elective                                                                                 |                          | 3       |                     |
| ENGL 201 Composition II                                                                  | ENGL 101                 | 3       |                     |
|                                                                                          |                          |         |                     |
| Total Credit Hours                                                                       |                          | 15      |                     |

**Information and course schedules may change. This is not a contract.**

**Revised 8/25**