

## COMPUTER AND INFORMATION SCIENCE

### Associate in Science in Computer and Information Science

<b>Recommended Sequence</b>	<b>Credits</b>
<b>First Semester (Fall)</b>	
<input type="checkbox"/> ENG 140 English Composition I	3
<input type="checkbox"/> CSC 102 Introduction to Technology	2
<input type="checkbox"/> CSC 103 Introduction to Computing	3
<input type="checkbox"/> MAT 141 Precalculus	3
<input type="checkbox"/> ___ GE Humanities Elective	3
	<b>14</b>
<b>Second Semester (Spring)</b>	
<input type="checkbox"/> ENG 141 English Composition II	3
<input type="checkbox"/> COM 105 Interpersonal Communication	3
<input type="checkbox"/> CSC 110 Systems Analysis	3
<input type="checkbox"/> CSC 120 Data Communications	3
<input type="checkbox"/> CSC 121 Programming I (Python)	3
<input type="checkbox"/> MAT 201 Calculus I	4
	<b>16</b>
<b>Third Semester (Fall)</b>	
<input type="checkbox"/> CSC 122 Programming II (Java)	3
<input type="checkbox"/> CSC 230 Website Design & Dev. <i>or</i> CSC 235 Advanced Web Applications	3
<input type="checkbox"/> ECO 188 Macroeconomics	3
<input type="checkbox"/> ___ GE Lab Science Elective	4
<input type="checkbox"/> ___ GE Soc Sci/Humanities Elective	3
	<b>16</b>
<b>Fourth Semester (Spring)</b>	
<input type="checkbox"/> CSC 150 Operation Systems Fundamentals: Unix/Linux	3
<input type="checkbox"/> CSC 228 Advanced Programming Techniques (Data structures – Java)	3
<input type="checkbox"/> MAT 202 Calculus II	4
<input type="checkbox"/> ___ GE Lab Science	4
	<b>14</b>
<b>Total Credits Needed for Degree</b>	<b>60</b>

### General Education Requirements for A.S.

#### 1. COMMUNICATION

**Must complete 9 credits from the following:**

- ENG-140      ENG-141      COM-143 or COM-105

#### 2. MATHEMATICS – SCIENCE – TECHNOLOGY

**Must complete 9 credits as specified by category:**

##### *A. Mathematics (3-6 credits)*

- MAT-110      MAT-111      MAT-131  
MAT-141      MAT-150      MAT-151

##### *B. Science (4-8 credits)*

- BIO-145      BIO-150      BIO-162      BIO-163  
BIO-165      BIO-170      BIO-176      BIO-262  
CHE-110      CHE-164

##### *C. Technology (0-4 credits)*

- CSC-102      CSC-103      CSC-112

#### 3. SOCIAL SCIENCE – HUMANITIES

**Must complete a total of 9 credits from A & B with at least 3 credits in each category:**

##### *A. Social Science (3-6 credits)*

- ANT 289      ECO-188      ECO-189      GEO-105  
POL -101      POL -115      POL-201      PSY-101  
PSY-175      SOC-103      SOC-202

##### *B. Humanities (3-6 credits)*

- ART-101      ART-105      ART-106      ART-107  
ENG-199      ENG-201      ENG-202      ENG-240  
ENG-241      ENG-242      FOR-101      FOR-103  
FOR-133      FOR-151      FOR-201      FOR-251  
HIS-101      HIS-102      HIS-113      HIS-114  
HIS-220      HIS-225      HIS-250      HIS-260  
MUS-191      MUS-211      PHI-101      PHI-102  
PHI -103      PHI-204      PHI-261      THE-193

## COMPUTER AND INFORMATION SCIENCE

### Associate in Science in Computer and Information Science

The Associate in Science, Computer and Information Sciences Option is designed to parallel the first two years of a baccalaureate computer information systems or computer science-related degree program. The studies include computer programming, introductory computer architecture, mathematics, and general education courses.

Upon completion of the associate degree and a baccalaureate program, students will be prepared for a variety of sophisticated positions in the computer field as an applications/systems programmer, programmer/analyst, or software developer. Depending on student scheduling and availability, this program may be completed in two years of full-time study with day and evening classes or in three to five years of part-time evening study.

#### Elective Categories:

Students may select courses from any of the disciplines listed below each category to full-fill any remaining degree requirements above and beyond their General Education Requirements.

#### SOCIAL SCIENCE:

ANT CRJ ECO POL PSY SOC

#### HUMANITIES:

ART COM FOR ENG\* HIS MUS PHI THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

#### BUSINESS:

ACC BUS COM121 CSC ECO GRD LST

#### LIBERAL ARTS:

ANT ART BIO COM CHE CRJ  
 ECO ENG\* FOR HIS  
 MAT MUS PHI PHY  
 POL PSY SOC THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

#### FREE:

Any college-level (100+) course that is not required as part of the degree program