

COMPUTER AND INFORMATION SCIENCE

Associate in Science in Computer and Information Science

Recommended Sequence	Credits
First Semester (Fall)	
<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
	14
Second Semester (Spring)	
<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
	16
Third Semester (Fall)	
<input type="checkbox"/> CSC 122 Programming II (Java)	3
<input type="checkbox"/> CSC 230 Website Dev. & Design <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
	16
Fourth Semester (Spring)	
<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
	14
Total Credits Needed for Degree	60

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