

Degree Offered

Associate in Science
Computer Science/Information
Systems

**Curriculum Code:
COMP.SCI.INFO.SYS.AS**

Program Information

This program prepares students to continue their education at a four-year college or university in fields such as computer science, computer information sciences and information systems management. The program parallels the computer science offerings at four-year colleges and universities.

When You Graduate

Upon completion of this program, students should be able to:

- Apply critical thinking skills to design application programs within the context of a business system.
- Apply computing skills to develop application-based solutions within the context of a business system.
- Locate, retrieve, and critically evaluate information and information sources.
- Demonstrate competency and comprehension in selected categories of the Computer Science body of knowledge to align with current academic and professional best practices.

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Computer Science/ Information Systems, AS

Program Requirements (60 credits) Credits

Year 1 Fall Semester

<input type="checkbox"/> CS 111 Computer Science I	4
<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> General Education Mathematics Elective (MA 130 Calculus I Recommended)**	4
<input type="checkbox"/> General Education Humanities Elective	3
	14

Year 1 Spring Semester

<input type="checkbox"/> AC 103 Accounting I	4
<input type="checkbox"/> CS 112 Computer Science II	4
<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> General Education Mathematics Elective (Excluding MA 109 and MA 115)	3
<input type="checkbox"/> General Education Social Science Elective	3
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Year 2 Fall Semester

<input type="checkbox"/> CS 210 Database Management	4
<input type="checkbox"/> General Education Diversity Elective	3
<input type="checkbox"/> Computer Science Program Elective or Network Management Program Elective*	4
<input type="checkbox"/> General Education Humanities Elective or General Education Social Science Elective	3
	14

Year 2 Spring Semester

<input type="checkbox"/> MA 111 Discrete Math	4
<input type="checkbox"/> Computer Science Program Elective*	4
<input type="checkbox"/> General Education Mathematics or Lab Science Elective (MA 140 Calculus II Recommended)**	4
<input type="checkbox"/> General Education History Elective	3
	15

Total Credits 60

***Computer Science Program Electives**

CS 132 Web Page Development I	4
CS 212 C++ Programming	4
CS 215 Visual Basic Programming	4
CS 216 Intermediate Java Programming	4
CS 222 Intro to Android Programming in Java	4

***Computer Network Management Electives**

CS 233 Networking Hardware & Routing	4
CS 234 LAN Switching & Wireless	4
CS 235 Accessing the WAN, Security & Troubleshooting	4
CS 240 Security +	3
CS 241 Computer Forensics	3
CS 275 Core Server Operating System	4

****Excluding MA 109 and MA 115**

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