

## Computer Information Systems 240101 CI Associate in Science Degree

Available: Phil Campbell and Shoals Campuses  
 Advisors: T. James (6281) [timmy.james@nwsc.edu](mailto:timmy.james@nwsc.edu)  
 E. Carter (5277) [cartere@nwsc.edu](mailto:cartere@nwsc.edu)  
 T. Roberson (5276) [roberson@nwsc.edu](mailto:roberson@nwsc.edu)  
 J. James (6234/5346) [jamesje@nwsc.edu](mailto:jamesje@nwsc.edu)  
 S. Chandler (5234) [schandler@nwsc.edu](mailto:schandler@nwsc.edu)  
 P. Peters (6326) [ppeters@nwsc.edu](mailto:ppeters@nwsc.edu)

This program is designed for students who plan to transfer to four-year institutions for a major in Computer Information Systems or Management Information Systems. It is designed to provide skills for an entry-level position as an applications developer while providing the general education program for further study toward a baccalaureate degree.

Students are trained primarily on IBM-compatible Personal Computers. Courses may be adjusted to prepare a student for a specific four-year institution with the approval of the Dean of Instruction.

**Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.**

	<b>Semester Hours</b>
Area I: Written Composition .....	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts .....	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ...	6
SPH 107 .....	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* .....	3
Area III: Natural Sciences and Mathematics .....	14
Science: Choose two core courses from among BIO, CHM, PHS, PHY .....	8
Math: Choose one from MTH 112 or above .....	3
CIS 146 .....	3
Area IV: History, Social and Behavioral Science .....	12
*History: HIS 101 and 102 or HIS 201 and 202 .....	6
Choose two courses from among ECO 231, ECO 232, POL 200, POL 211, PSY 200, PSY 210, SOC 200 .....	6
Area V: Pre-Professional, Pre-Major, and Elective Courses .....	16-20
BUS 241 and 242 .....	6
CIS Electives .....	6
CIS Programming Elective .....	3
General Elective .....	1-5
PED can be used as a general elective.	

**Total Semester Transfer Hours ..... 60-64**

\*See note 2 on page 44.

\*\*Keyboarding skills are essential for the successful completion of English 101.

## Pre-Computer Science 240102 CS Associate in Science Degree

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 P. Peters (6326) [ppeters@nwsc.edu](mailto:ppeters@nwsc.edu)

This program is designed to prepare students for transfer to a four-year institution for a major in Computer Science, Computer Engineering, or Software Engineering, usually offered in a school of engineering or mathematics. Each program requires individual adjustment to prepare for transfer and the student should be in contact with the transfer institution as the A.S. degree is pursued. Students are trained primarily on IBM-compatible Personal Computers.

**Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.**

	<b>Semester Hours</b>
Area I: Written Composition .....	6
***ENG 101 and 102	
Area II: Humanities and Fine Arts .....	12
***Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ....	6
SPH 107 .....	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* .....	3
Area III: Natural Sciences and Mathematics .....	25
Science: Choose two core courses from among BIO, CHM, PHS, PHY .....	8
MTH 112** .....	3
MTH 113 .....	3
MTH 125 .....	4
MTH 126 .....	4
CIS 146 .....	3
Area IV: History, Social and Behavioral Science .....	12
***History: HIS 101 and 102 or HIS 201 and 202 .....	6
Choose two courses from among ECO 231, ECO 232, POL 200, POL 211, PSY 200, PSY 210, SOC 200 .....	6
Area V: Pre-Professional, Pre-Major, and Elective Courses .....	5-9
Computer Programming Electives .....	3-6
General Elective .....	2-3
PED can be used as a general elective.	

**Total Semester Transfer Hours ..... 60-64**

\*Although these courses will transfer, they may not satisfy the Fine Arts requirement of universities.

\*\*Students with high placement scores may skip the lower math courses.

\*\*\* See note 2 on page 44.

\*\*\*\*Keyboarding skills are essential for the successful completion of English 101.