

Computer Information Systems A.A.S.

This program is intended to provide a foundation in the concepts and principles of computer information systems. It includes methods of analyzing and designing business information systems for computer use.

Degree Requirements

The curriculum is structured for students entering in the fall semester. Full-time students entering at another time should consult with a computer science instructor regarding the sequence of courses. Students may be required to take certain courses in the evening.

The curriculum listed on this page represents the minimum coursework required for the A.A.S. degree in Computer Information Systems. Any exception must have the written consent of the chair of the Division of Natural and Health Sciences, Mathematics, and Technology.

Career Possibilities

Entry-level positions in programming, computer operations, sales, systems analysis, and management.

Transfer Information

Students should contact their advisers and/or the transfer counselor in the Student Development Center for information on transfer planning. Early consultation to plan the most appropriate course sequence will optimize transferability.

Map your degree

Courses	Credit Hours	Semester Completed	Grade
First Semester			
ENGL 101	Freshman English I	3	_____
BUS 101	Principles of Accounting I	4	_____
BUS 225	Microcomputer Application Software	3	_____
C.S. 120	Foundations of Computer Science	3	_____
MATH 104	College Algebra and Trigonometry (or higher)*	3	_____
	Physical Education	<u>1</u>	_____
		17	
Second Semester			
C.S. 200	Programming in Visual Basic	3	_____
	Behavioral/Social Sciences	3	_____
C.S. 225	Intro Networks	3	_____
BUS 226	Advanced Microcomputer Application Software	3	_____
ENGL 102 or ENGL 270	Freshman English II Technical Writing	3	_____
	Physical Education	<u>1</u>	_____
		16	
Third Semester			
ENGL 221	Effective Speech: Public Address	3	_____
BUS 103	Principles of Business	3	_____
C.S. 080	Microcomputer Maintenance	1	_____
C.S. 215	Systems Analysis and Design	3	_____
C.S. 222	Programming in C/C++	3	_____
	Math/Science	<u>3-4</u>	_____
		16-17	
Fourth Semester			
C.S. 219	Database Management Systems	3	_____
C.S. 237	Internet Security	3	_____
C.S. 238	Java	3	_____
	Behavioral/Social Sciences	3	_____
	Elective	3	_____
	Health	<u>1</u>	_____
		16	

Total Credit Hours 65-66

* MATH 112, 115, or 116 will **not** fulfill Math requirement.



Computer Information Systems A.A.S. INTERNET TECHNOLOGY OPTION

This option offers a variation of the current Computer Information Systems degree program, enabling students to specialize in designing applications specifically for the internet. The emphasis is on applied learning through laboratory practice, using the latest hardware and software.

Degree Requirements

The Internet Technology option provides training for developing programming applications and information systems for the Internet. It will feature in-depth training in the use and design of software for Internet applications. The emphasis is on applied learning through laboratory practice using the latest hardware and software.

Graduates of this degree program option will have acquired skills in Internet programming, problem-solving, communications, web-based application software, computer systems, and networks.

The curriculum listed on this page represents the minimum coursework required for the A.A.S. degree in Computer Information Systems: Internet Technology Option. Any exception must have the written consent of the chair of the Division of Natural and Health Sciences, Mathematics, and Technology.

Career Possibilities

Entry level positions as web designer/developer, webmaster, software engineer, network administrator, and network support specialist.

Transfer Information

Students planning to transfer should contact their advisers and/or a transfer counselor in the Student Development Office for more information. Early consultation to plan the most appropriate course sequence will optimize transferability.

Map your degree

Courses	Credit Hours	Semester Completed	Grade
First Semester			
ENGL 101 Freshman English I	3	_____	_____
C.S. 080 Microcomputer Maintenance	1	_____	_____
C.S. 120 Foundations of Computer Science	3	_____	_____
BUS 225 Microcomputer Application Software	3	_____	_____
BUS 103 Principles of Business	3	_____	_____
MATH 104 College Algebra and Trigonometry (or higher)*	3	_____	_____
Health	<u>1</u>	_____	_____
	17		
Second Semester			
ENGL 102 Freshman English II or ENGL 270 Technical Writing	3	_____	_____
C.S. 200 Programming in Visual Basic	3	_____	_____
BUS 226 Advanced Application Software	3	_____	_____
Behavioral/Social Sciences Elective	3	_____	_____
Math/Science	3	_____	_____
Physical Education	<u>1</u>	_____	_____
	16		
Third Semester			
C.S. 082 Help Desk	1	_____	_____
C.S. 215 Systems Analysis and Design	3	_____	_____
ENGL 221 Effective Speech: Public Address	3	_____	_____
C.S. 228 Intro to Unix/Linux	3	_____	_____
C.S. 236 Advanced Visual Basic	3	_____	_____
Behavioral/Social Sciences Elective	3	_____	_____
Physical Education	<u>1</u>	_____	_____
	17		
Fourth Semester			
C.S. 219 Database Management Systems	3	_____	_____
C.S. 225 Intro to Networks	3	_____	_____
C.S. 235 Web Page Design	3	_____	_____
C.S. 237 Internet Security	3	_____	_____
C.S. 238 Java	3	_____	_____
Liberal Arts Elective	<u>3</u>	_____	_____
	18		
Total Credit Hours	68		



* Depending on the student's math placement. MATH 112, 115, or 116 will not fulfill Math requirement.