

COMPUTER INFORMATION SCIENCE (CIS)

(Wallace and Sparks Campuses)

Recognizing the role of the computer and individuals with computer skills in the world of today, the College offers a Computer Information Science program with appropriate options for students. These programs are for students who are interested in Analysis, Operations, Programming, Systems Engineering, or related jobs in the Computer Science field. Students are expected to possess proficient keyboarding skills.

An associate in applied science degree can be earned in Computer Information Science with major concentrations in Software Development, Cyber Security, Mobile App Development, or Microcomputer Specialist. To receive an associate in applied science degree, students must complete General Education core requirements, Computer Information Science core requirements, and additional courses to satisfy the requirements in the chosen area of concentration.

Admission is conditional and depends on the student's ability to perform the essential functions identified for this program. Reasonable accommodations are considered.

DEGREE CURRICULUM

Course		Credit Hours
Area I: Written and Oral Communications		
ENG 101	English Composition I	3
Area II: Humanities and Fine Arts		
SPH 106	Fundamentals of Oral Communication OR	3
SPH 107	Fundamentals of Public Speaking	
Area III: Natural Sciences, Mathematics, and Computer Science		
MTH 100	Intermediate College Algebra	3
	Science/Computer Science/Math Elective	3
Area IV: History, Social and Behavioral Sciences		
	History/Behavioral Science/Social Science Elective	3
Area V: Career and Technical Courses		
Required Orientation Courses		
ORI 101	Orientation to College OR	1-3
ORI 105	Orientation and Student Success	
ORI 104	WorkKeys® Assessment and Advisement	
Computer Information Science Core Requirements		
BUS 241	Principles of Accounting I	3
CIS 146	Microcomputer Applications	3
CIS 150	Introduction to Computer Logic and Programming	3
CIS 113	Spreadsheet Software Applications	3
CIS 117	Database Management Software Applications	3
CIS 161	Introduction to Network Communications	3
CIS 171	Linux I	3
CIS 185	Computer Ethics	3
CIS 207	Introduction to Web Page Development	3
CIS 208	Intermediate Web Page Development	3
CIS 211	Principles of Informations Assurance	3
CIS 212	Visual Basic Programming	3
CIS 268	Software Support	3
CIS 269	Hardware Support	3
Total Computer Information Science Core Credits		42

SOFTWARE DEVELOPMENT CONCENTRATION

<i>Course</i>		<i>Credit Hours</i>
Area V:	Required Field of Concentration Courses	9
CIS 251	C++ Programming	3
CIS 285	Object-Oriented Programming	3
	Computer Science Elective	3
Total Computer Programming Credits		9
Total Credits for Degree		68

MICROCOMPUTER SPECIALIST CONCENTRATION

<i>Course</i>		<i>Credit Hours</i>
Area V:	Required Field of Concentration Courses	9
OAD 125	Word Processing	3
OAD 126	Advanced Word Processing	3
	Computer Science Elective	3
Total Microcomputer Specialist Credits		9
Total Credits for Degree		68

CYBER SECURITY CONCENTRATION

<i>Course</i>		<i>Credit Hours</i>
Area V:	Required Field of Concentration Courses	9
CIS 280	Network Security	3
CIS 246	Ethical Hacking	3
CIS 282	Computer Forensics	3
Total Information Assurance Credits		9
Total Credits for Degree		68

MOBILE APP DEVELOPMENT CONCENTRATION

<i>Course</i>		<i>Credit Hours</i>
Area V:	Required Field of Concentration Courses	9
CIS 155	Intro to Mobile App Development	3
CIS 219	Android App Development	3
CIS 285	Object-Oriented Programming	3
Total App Development Credits		9
Total Credits for Degree		68

Computer Information Science Associate in Applied Science Degree Suggested Course Sequence—Year One

<i>FIRST SEMESTER</i>	<i>SECOND SEMESTER</i>	<i>THIRD SEMESTER</i>
ENG 101	CIS 171	SPH 106 or 107
MTH 100	CIS 212	HIS/Social/Behavioral
ORI 101 or 105	CIS 268 or 269	Sciences Elective
ORI 104	Science/Math Elective	BUS 241
CIS 146		CIS 113 or 117
CIS 150		

Computer Information Science Associate in Applied Science Degree Suggested Course Sequence—Year Two

<i>FIRST SEMESTER</i>	<i>SECOND SEMESTER</i>	<i>THIRD SEMESTER</i>
CIS 207	CIS 161	CIS 113 or 117
CIS 211	CIS 208	Choose 1 Concentration
CIS 268 o 269	Choose 1 Concentration	Course:
Choose 1 Concentration	Course:	CIS 219
Course:	CIS 282	CIS 246
CIS 155	CIS 285	Computer Science Elective
CIS 251	OAD 126	
CIS 280		
OAD 125		