

Jefferson State Community College
Pioneer Pathways: Business & Computer Information Systems
COMPUTER SCIENCE – Computer Programming
A.A.S. Degree **Begins Fall 2022** **Catalog Year 2022-2023**

<i>Full-Time</i>	<i>Course No.</i>	<i>Title</i>	<i>Credit Hours</i>	<i>Term Offered</i>	<i>Prerequisite</i>
Fall Semester Year 1	CIS 150	Introduction to Computer Logic and Programming (CER, STC)	3	F, Sp, Su	
	CIS 270	Cisco CCNA I: Introduction to Networks (CER)	3	F, Sp, Su	
	ENG 101	English Composition (CER)	3	F, Sp, Su	
	SPH 207 or SPH 206	Fundamentals of Public Speaking or Fundamentals of Oral Communication	3	F, Sp, Su	
	TOTAL CREDIT HOURS		12		
Spring Semester Year 1	CIS 202	Python Programming (CER)	3	F, Sp	CIS 150
	CIS 222	Database Management (CER, STC)	3	F, Sp	CIS 150
	CIS 251	C++ Programming (CER, STC)	3	F, Sp, Su	CIS 150
	MTH 100	Intermediate College Algebra (CER)	3	F, Sp, Su	
	TOTAL CREDIT HOURS		12		
Summer Semester Year 1	CIS 157	Introduction to App Development with Swift	3	Sp	CIS 150
	CIS 255	Java Programming (CER, STC)	3	F, Sp, Su	CIS 150
	PHL 106	AHUM Introduction to Philosophy	3	F, Sp, Su	
	HED 221	Personal Health	3	F, Sp, Su	
	TOTAL CREDIT HOURS		12		
Fall Semester Year 2	CIS 220	App Development with Swift	3	F	CIS 157
	CIS 285	Object-Oriented Programming (Advanced Java) (CER, STC)	3	F, Sp	CIS 150 CIS 255
	BUS 275	AAS one elective from: Principles of Business Management	3	F, Sp	
	PSY 200	ASOC General Psychology	3	F, Sp, Su	
	TOTAL CREDIT HOURS		12		
Spring Semester Year 2	CIS 207	Web Development	3	F,sP	
	CIS 215	C# Programming (CER, STC)	3	F, Sp	CIS 150
	CIS 244	Introduction to Cybersecurity (CER)	3	F, Sp, Su	
	PHS 111	ASCI Physical Science	4	F, Sp, Su	
	TOTAL CREDIT HOURS		13		
Summer Semester Year 2					
TOTAL CREDIT HOURS		0			
TOTAL DEGREE HOURS		61			

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General Courses		(25 hours)
Course	Title	Sem Hrs
ENG 101	English Composition I	3
SPH 107 SPH 106	Fundamentals of Public Speaking or Fundamentals of Oral Communication	3
MTH 100	Intermediate College Algebra	3
Lab Science Elective: (ASCI)	astronomy, biology, chemistry, physical science, physics	4
Social and Behavioral Science Elective: (ASOC)	anthropology, geography, history, economics, political science, sociology, psychology	3
Humanities and Fine Arts Elective: (AHUM)	art, humanities, religion, theatre, music, philosophy, intermediate foreign language, literature	3
HED or PED Elective		3