

Jefferson State Community College  
**Pioneer Pathways: Business & Information Systems**  
**COMPUTER SCIENCE – Cybersecurity (C255)**

A.A.S. Degree

Begins Fall 2022

Catalog Year 2022-2023

**First Year – Fall Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 150	Introduction to Computer Logic and Programming	3	All		AAS Major Course
CIS 244	Introduction to Cybersecurity (CER/STC)	3	All		AAS Major Course
CIS 260	Network Security & Risk Management (CER/STC)	3	Fall		Was CIS 280
<b>ENG 101</b>	<b>English Composition (GE) General Course (CER)</b>	<b>3</b>	<b>All</b>		
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>12</b>			

**First Year – Spring Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 202	Python Programming	3	Fall & Spring	CIS 150	
CIS 222	Database Management Systems	3	Fall & Spring	CIS 150	
CIS 246	Ethical Hacking (CER/STC)	3	Spring & Fall	CIS 244	
<b>HED/PED</b>	<b>HED/PED (GE)</b>	<b>3</b>	<b>All</b>		
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>12</b>			

**First Year – Summer Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 211s	Principles of Information Assurance (CER/STC)	3	Spring & Summer		
CIS 214	Security Analysis (PEN TESTING) (CER/STC)	3	Summer	CIS 246	
<b>MTH 100</b>	<b>Intermediate College Algebra GE (CER)</b>	<b>3</b>	<b>All</b>		
<b>AHUM</b>	<b>AHUM Introduction to Philosophy (GE)</b>	<b>3</b>	<b>All</b>		
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>12</b>			

**Second Year – Fall Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 245	Cyber Defense (CER)	3	Fall	CIS 244	
CIS 270	Cisco CCNA I (CER/STC)	3	All		AAS Major Course
CIS 282	Computer Forensics	3	Fall	CIS 244	
<b>ASOC</b>	<b>ASOC Introduction to Psychology (GE)</b>	<b>3</b>	<b>All</b>		
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>12</b>			

**Second Year – Spring Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 207	Web Development	3	All		AAS Major Course
CIS 271	Cisco CCNA II	3	Spring	CIS 270	
<b>ASCI</b>	<b>ASCI Lab Science Elective GE</b>	<b>4</b>	<b>All</b>		
<b>SPH 207 or SPH 206</b>	<b>Fundamentals of Public Speaking or Fundamentals of Oral Communication GE</b>	<b>3</b>	<b>All</b>		
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>13</b>			

**Second Year – Summer Semester**

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
<b>TOTAL</b>	<b>CREDIT HOURS</b>	<b>0</b>			
<b>TOTAL</b>	<b>DEGREE HOURS</b>	<b>61</b>			

<b>General Courses</b>		<b>(22 hours)</b>
<b>Course</b>	<b>Title</b>	<b>Sem Hrs</b>
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