

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
ENG 101	English Composition (GE) General Course (CER)	3	All		
TOTAL	CREDIT HOURS	12			

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	
HED/PED	HED/PED (GE)	3	All		
TOTAL	CREDIT HOURS	12			

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, Spring & Fall	CIS 246	
MTH 100	Intermediate College Algebra GE (CER)	3	All		
PHL 106	AHUM Introduction to Philosophy (GE)	3	All		
TOTAL	CREDIT HOURS	12			

Second Year – Fall Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 245	Cyber Defense (CER)	3	Fall & Spring	CIS 244	
CIS 270	Cisco CCNA I (CER/STC)	3	All		AAS Major Course
CIS 282	Computer Forensics	3	Fall & Spring	CIS 244	
PSY 200	ASOC Introduction to Psychology (GE)	3	All		
TOTAL	CREDIT HOURS	12			

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	
PHS 111	ASCI Physical Science GE	4	All		
SPH 207 or SPH 206	Fundamentals of Public Speaking or Fundamentals of Oral Communication GE	3	All		
TOTAL	CREDIT HOURS	13			

Second Year – Summer Semester

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

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