

CSFC 4 Year Bachelor Program - Version 7.7 - Standard Version

Course Code	Course Title	Credit	Prerequisite	Co Requisite	Course Code	Course Title	Credit	Prerequisite	Co requisite
		Hours					Hours		
First Year: First Semester					First Year: Second Semester				
MATH 101	Calculus I	4	MATH 002		MATH 102	Calculus II	4	MATH 101	
ENGL 101	First Year Composition	3	ENGL 005		ENGL 102	Introduction to Report Writing	3	ENGL 101	
GIAS 101	Islamic Culture	3			CS 232	Computer Networks	4	CS111	
GHAL xxx	Humanities, Arts, and Languages Elective	3			CS 112	Object Oriented Programming	4	CS 111	
CS 111	Introduction to Computing and Programming	4	PCS 001		FC 112	Introduction to Cyber Security	3		CS 232
Total		17			Total		18		
Second Year: First Semester					Second Year: Second Semester				
ENGL 201	Technical Writing	3	ENGL 102		STAT 232	Probability and Statistics	3	MATH 102	
CS 201	Introduction to Discrete Systems	3	MATH 102		SE 262	Software Engineering	3	CS 112	
CS 221	Fundamentals of Operating Systems	4	CS 112	CS 211	CS 224	Computer Architecture and Organization	3	CS 111	
CS 211	Data Structures and Algorithms	4	CS 112		FC 254	Operating System Hardening	3	CS 221 FC 112	
FC 281	Offensive Security and Ethical Hacking	4	CS 232, FC 112	CS 221	FC 382	Defense Mechanisms	3	FC 281	
Total		18			Total		15		
Third Year: First Semester					Third Year: Second Semester				
CS 317	Web Application Development	3	CS 112	CS 351	GIAS 102	Arabic Language Skills	3		
CS 351	Fundamentals of Database Systems	4	CS 112		FC 302	Introduction to Digital Forensics	4	FC 112	
FC 331	Software Security	3	FC 112		FC 312	Web Application Security	4	CS 317	
AI 381	Artificial Intelligence I	3	CS 112		FC 362	Cyber Security Risk Management	3	FC 112	
FC 383	Advanced Secure Network Design	3	FC 382		FC 322	Advanced Cryptography	3	STAT 232, CS 201	
FC 315	Ethics and Professionalism in Cyber Security	2							
Total		18			Total		17		
FC 394	Summer Practical Training	1	All FC3xx Courses						
Fourth Year: First Semester					Fourth Year: Second Semester				
FC 491	Capstone Project I	3	FC 254,FC 282, FC 331,FC 383, FC302, and FC312		GSOS xxx	Social Sciences Elective	3		
FC 403	Advanced Digital Forensics	4	FC 302		FC 492	Capstone Project II	3	FC 491	
FC 407	Security and Privacy Standards and Policies	3	FC 112		C3S xxx	College Elective I	3		
FC xxx	Professional Elective I	3			C3S xxx	College Elective II	3		
FC xxx	Professional Elective II	3							
Total		16			Total		12		
Total Credits Required: 132									