

Recommended Sequence of Courses - Fall Start

Program of Study: Network and Systems Security Administrator
Department: Computer Studies
Coordinator: Michael McKeever 707.778.3960
Effective: Fall 2023

Course offerings subject to change. Please consult current Schedule of Classes.

This document is for planning purposes only and is not a guarantee of course offerings

Course Number	Course Title	Units	Semester Offered	Prerequisites/Advisories	In Person	Online	Hybrid	Day	Evening	Weekend
First Semester (Fall)										
CS 82.22A	Introduction to Networks	4.00	Fa	ENGL 100 or ESL 100 and CS 80.15	X	X		X		
CS 81.41A	Programming Essentials in Python for Networking and Cyber Security	3.00	Fa	ENGL 1A	X	X		X		
CS 181.23A	Linux Administration 1	3.00	Fa	ENGL 100 or ESL 100 and CS 80.11	X	X		X		
First Semester Unit Total:		10.00								
Second Semester (Spring)										
CS 82.22B	Switching, Routing and Wireless Essentials	4.00	Spr	ENGL 100 or ESL 100 and CS 82.22A	X	X		X		
CS 181.23B	Linux Administration 2	3.00	Spr	CS 181.23A	X	X		X		
CS 82.58	Introduction to Information Systems Security	3.00	Spr	ENGL 100 or ESL 100 and CS 82.21A	X	X		X		
Second Semester Unit Total:		10.00								
Third Semester (Fall)										
CS 181.11	Introduction to Virtualization and Cloud Computing	3.00	Fa	ENGL 100 or ESL 100 and CS 81.81A and CS 82.22A and CS 82.58	X	X		X		
CS 82.22C	Enterprise Networking, Security, and Automation	4.00	Fa	ENGL 100 or ESL 100 and CS 82.22B	X	X		X		
	Elective	3.00	Fa							
Third Semester Unit Total:		10.00								
Fourth Semester (Spring)										
CS 82.71	Ethical Hacking and Systems Defense	3.00	Spr	CS 81.21 and CS 82.58	X	X		X		
CS 84.26	Project Management for IT Professionals	3.00	Spr	ENGL 100 or ESL 100 and CS 81.81A and CS 82.22C and CS 82.58	X	X		X		
	Elective	3.00			X	X		X		
Fourth Semester Unit Total:		9.00								
Electives										
CS 81.81A	Server Administrator 1	3.00	Fa	ENGL 100 or ESL 100 and CS 80.11	X	X		X		
CS 82.59	Network Security and AI Firewalls	3.00	Fa*, Spr*	CS 82.58 and CS 82.22C	X	X		X		
CS 82.57	Cybersecurity Operations	3.00	Fa*, Spr*	CS 81.21, CS 81.81A and CS82.2A and CS 82.58	X	X		X		
CS 181.43	Programming for Cyber Security	3.00	Fa*, Spr*	ENGL 100 or ESL 100 and CS 81.21						
CS 81.62	Relational Database Concepts and Structured Query Language	3.00	Fa, Spr	ENGL 100 or ESL 100	X	X		X		
CS 50A	Website Development 1	3.00	Fa, Spr	CS 5 and Eligibility for ENGL 1A	X	X		X		
CS 55.13	Server-Side Web Development	3.00	Fa	CS 10A	X	X		X		
Complete at least 6 units from Electives above										
Minimum units to meet program requirements:		39.00								

Notes: * = Every Other Semester
 In Person = Traditional Classroom setting
 Online = Class is taught using an online format
 Hybrid = Course is taught using a combination of in-person and online formats
 Day = In person courses that begin at 7:00am or later
 Evening = In person courses that begin at 5:00pm or later
 Weekend = In person courses taught on Saturday and/or Sunday