HCCC | **Saint Peter's**

AS - Cyber Security | **BS- Computer Science- Cyber Security track**

Complete the Following Gen Ed Requirements

COURSE NUMBER	COURSE NAME	CREDITS	=	COURSE NUMBER	COURSE NAME	CREDITS
CSS-100	College Student Success	1	=			
ENG-101	College Composition I	3	=	CM-101	English Composition I	3
ENG-102	College Composition II	3	=	CM-102	English Composition II	3
MAT-111	Calculus I	4	=	MA-143	Differential Calculus	4
MAT-112	Calculus II	4	=	MA-144	Integral Calculus	4
MAT-114	Intro to Probabilities & Statistics	3	=	MA-106	Intro to Probability & Statistics	3
ENG-112	Speech	3	=	CU-277	Strategies for Oral Communication	3
PHL-218	Contemporary Moral Issues	3	=	PL-140	Introduction to Ethics	3
	Humanities Elective (recommend HUM-101)	3	=	CORE 2.2	TBD	3
	Social Science Elective (recommend SOC-101)	3	=	CORE 2.2	TBD	3
	Humanities or Social Sci Elective (recommend Humanities)	3	=	CORE 2.1 or 2.2	TBD	3
Complete the Following Major Requirements						
CSC-113	Computer Logic and Discrete Math	3	=	MA-216	Computer Mathematics	3
CSC-117	Java Programming	3	=	CS-237	Java Programming	3
CSC-214	Data Structures and Adv. Program	3	=	CS-370	Data Structures	3
CSC-227	Intro to Operating Systems	3	=	CS-339	Comp Arch & Operating Sys	3
CSC-232	Cybersecurity	3	=	CS-177	Intro to Comp Sci and Cyber Security	3
CSC-118	Python Programming	3	=	CS-180	Introduction to Programming	3
CSC-245	Ethical Hacking	3	=	CS-260	Information Technology Ethics	3
CSC-240	Intro to Networks and Networking	3	=	CS-489	Network Tech, Protocols, Defense	3
Choose CSC-235 or CSC-242*(recommended)						
CSC-235	Network Security	3	=	CS-489	Network Tech, Protocols, Defense	3
CSC-242	Comp Forensics and Investigation*	3	=	CS-496	Cyber Security and Digital Forensics*	3
	Total Credits	**60**			**Total Credits**	**60**

Remaining Saint Peter's Courses

Year 3	COURSE NUMBER	COURSE NAME	CREDITS
	CORE 2.1	Humanities core	3
	CORE 2.1	Humanities core	3
	CORE 2.1/ 2.2	Social Science core	3
	TH-110/120	CORE Requirement 2.3	3
	BI/CH/PC	CORE Requirement 3.1	3
	CS-190	Secure Software Development	3
	CS-231	Software Engineering	3
	CS-332	Advanced Computing	3
	IS-380	Database & Data Administration	3
	IS-381	Cyber Security & Risk Management	3
Year 4	COURSE NUMBER	COURSE NAME	CREDITS
	TH/PL 200+	CORE Requirement 2.3	3
	CORE 4.1	Mission Requirement	3
	IS-425	Disaster Recovery	3
	CS-495	Cryptology	3
	CS-499	Capstone for Computer Science	3
		Free Elective	3
	CY-510 (GRAD)	Cyber Security Planning & Risk Analysis	3
	CY-520 (GRAD)	Cyber Security Ethical & Legal Concerns	3
	CY-530 (GRAD)	Cryptography	3
	CY-620 (GRAD)	Malware Analysis & Defense	3
		Minimum Total Credits to Graduate	**120**
GRAD			
	CY-595 or CY-598	Non Credit Research Intern Grad Level or Exp Learning Intern without CPT	3
	CY-622	Advanced Offensive Cyber Security	3
	CY-640	Cybercrime and Digital Forensics	3
	CY-650	Cyber Security Capstone	3
	CY	Elective courses	9
		Minimum Total Credits to Graduate	**30**

Notes:

- Humanities recommendations for CORE curriculum are History, Literature, Art, or Language
- A student must maintain a 2.0 average in the CS-231 and CS-332 sequence to continue as a computer science major.
- The degree requires 30 semester hour credits. A capstone course must be taken in the final trimester of coursework.
- Participation in a graduate internship focused on Cyber Security, lasting at least one trimester, is mandatory for all students, except for those meeting one of the following criteria: possessing over 2 years of professional experience in IT or Cybersecurity, being employed full-time in IT or Cybersecurity throughout the program duration, or engaged in a discipline-related exchange program.
- Students are required to maintain satisfactory academic progress by maintaining the required grade point average (3.0) and accumulating sufficient credits within the stipulated time frame of five years.
- Conditional Admit for Accelerated graduate program includes Cumulative GPA of 3.0 or higher, Major GPA of 3.0 or higher, and Cognate Course GPA of 3.0 or higher