



HCCC

AS - Computer Science

Complete the Following Gen Ed Requirements

COURSE NUMBER	COURSE NAME	CREDITS
CSS-100	College Student Success	1
ENG-101	College Composition I	3
ENG-102	College Composition II	3
MAT-111	Calculus I	4
MAT-112	Calculus II	4
MAT-211	Calculus III	4
ENG-112	Speech	3
PHY-111	Engineering Physics	4
	Humanities Elective (recommend HUM-101)	3
	Social Science Elective (recommend SOC-101)	3
	Humanities or Social Sci Elective (recommend Humanities)	3

Complete the Following Major Requirements

CSC-113	Computer Logic and Discrete Math	3
CSC-115	Programming in C++ for Comp Sci	3
CSC-214	Data Structures and Adv. Program	3

Choose CSC-118 or CSC-117

CSC-118	Python Programming (recommend)	3
CSC-117	Java Programming	3

Complete One Math Or Science Course Recommend Statistics MAT-114

Complete HCCC Elective (select 3)

CSC-226	Database Design and Concepts	3
CSC-227	Intro to Operating Systems	3
CSC-231	Info Systems Analysis & Design	3
CSC-232	Cybersecurity	3

Saint Peter's

BS- Computer Science- CIS track

COURSE NUMBER	COURSE NAME	CREDITS
FY-100	First Year Seminar	3
CM-101	English Composition I	3
CM-102	English Composition II	3
MA-143	Differential Calculus	4
MA-144	Integral Calculus	4
MA-273	Multivariable Calculus I	4
CU-277	Strategies for Oral Communication	3
PC-185	General Physics I	3
CORE 2.2	TBD	3
CORE 2.2	TBD	3
CORE 2.1 or 2.2	TBD	3
MA-216	Computer Mathematics	3
CS-231	Software Engineering	3
CS-370	Data Structures	3
CS-180	Introduction to Programming*	3
CS-237	Java Programming	3
TBD	Recommend MA-212	3
IS-380	Database & Data Administration	3
CS-339	Comp Arch & Operating Sys*	3
IS-410	Total Info Systems	3
CS-177	Intro to Comp Sci and Cybersecurity*	3

CSC-235	Network Security	3	=	CS-489	Network Tech, Protocols, Defense	3
CSC-240	Intro to Networks and Networking	3	=	CS-489	Network Tech, Protocols, Defense	3
CSC-242	Comp Forensics and Investigation	3	=	CS-496	CyberSecurity and Digital Forensics	3
CSC-245	Ethical Hacking	3	=	CS-260	Information Technology Ethics	3
Total Credits		60		Total Credits		60

Year 3	COURSE NUMBER	COURSE NAME	CREDITS
	CORE 2.1	Humanities core	3
	CORE 2.1	Humanities core	3
	TH-110/120	CORE Requirement 2.3	3
	PL-130/140	CORE Requirement 2.3	3
	CS-332	Advanced Computing	3
	CS-298	Virtual Internship	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
Year 4	COURSE NUMBER	COURSE NAME	CREDITS
	TH/PL 200+	CORE Requirement 2.3	3
	CORE 2.2	Humanities core	3
	CORE 2.2	Humanities core	3
	CORE 4.1	Mission Requirement	3
	CS-499	Capstone for Computer Science	3
	CS-300+	Computer Science Elective	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
		Free Elective	3
		Minimum Total Credits to Graduate	120

- 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.
- CS/CIS majors may be eligible for a minor in mathematics.
- CS/CIS majors are encouraged to study a commercially popular programming language, such as Python and/or Java