

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

Admission to the program is considered by the Program Director after the student has met the admissions pre-requisites, including 60 earned credit hours. General Education requirements should also be met.

Program Requirements (may include courses that satisfy General Education Requirements)

- Pre-Calculus (4 hours)
- Algebra (3 hours)
- Statistics or Probability (3 hours)
- Natural Science (two w/lab sequence courses (8 hours)
- Science (3 hours)
- Technical Electives (9 hours)
- Elective (3 hours)

General Education Requirements that may be met by Program Requirements.

- Writing and Communication (6 hours)
- Quantitative Reasoning (6 hours)
- Natural Science (7-8 hours)
- Humanities and Fine Arts (6 hours)
- Behavioral and Social Science (3 hours)
- Individual and Global Citizenship (3 hours)

First Semester – 20 Hours			
Part of Term 1:	Hrs	Part of Term 2:	Hrs
CPSC 1100: <i>Fundamentals of Computer Science</i>	4	CPSC 1110: <i>Data Structures and Program Design</i>	4
CPSC 3120: <i>Python Programming</i>	3	CPSC 3600: <i>Principles of Information Security and Assurance</i>	3
CPSC 3130: <i>.NET Development</i>	3	CPSC 3610: <i>Ethical and Social Issues in Computing</i>	3
	10		10
Second Semester – 18 Hours			
Part of Term 1:	Hrs	Part of Term 2:	Hrs
MATH 2030: <i>Discrete Math for Computer Science</i>	3	CPSC 3320: <i>Database Administration</i>	3
CPSC 3300: <i>Computer Server Administration</i>	3	CPSC 4120: <i>Secure Mobile App Development</i>	3
CPSC 3310: <i>Network Administration</i>	3	CPSC 4150: <i>Secure Web Development</i>	3
	9		9
Third Semester – 24 Hours			
Part of Term 1:	Hrs	Part of Term 2:	Hrs
CPSC 4240: <i>Principles of Data Analytics</i>	3	CPSC 4270: <i>Database and Security</i>	4
CPSC 4300: <i>Cloud Administration</i>	3	CPSC 4600: <i>Biometrics and Cryptography</i>	3
CPSC 4550: <i>Computer Networks</i>	3	CPSC 4620: <i>Computer Network Security</i>	3
CPSC 4927: <i>Human Computer Interactions</i>	3	CPSC 4910: <i>Senior Capstone Project</i>	3
	12		12

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		18 General Education Hours	
39 Upper Division (3000-4000) Hours		62 Program (Major) Hours	
30 Hours at UTC		30 Program (Pre-Requisite) Hours	
45 Hours at 4-year Institution		Minor (<i>Not Required</i>)	
		10 Elective Hours	
		Foreign Language (<i>Not Required</i>)	