

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

First Year – 28-29 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
CPSC 1100: <i>Fundamentals of Computer Science</i>	4	CPSC 1110: <i>Data Structures and Program Design</i>	4
MATH 1950: <i>Calculus w/ Analytic Geometry I</i> (Quantitative Reasoning)	4	MATH 1960: <i>Calculus w/ Analytic Geometry II</i>	4
Writing and Communication (ENGL 1010 or 1011)	3-4	Writing and Communication (ENGL 1020)	3
Humanities and Fine Arts	3	Behavioral and Social Science (CRMJ 1100)	3
	14-15		14
Second Year – 30 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
CPSC 2100: <i>Software Design and Development</i>	3	CPEN 3700: <i>Digital Logic and Introduction to Computer Hardware</i>	4
CPSC 2800: <i>Introduction to Operating Systems</i>	3	CPSC 3600: <i>Principles of Information Security and Assurance</i>	3
MATH 2100: <i>Introductory Statistics</i> , MATH 3100: <i>Applied Statistics</i> , or ENCE 2220: <i>Probability and Statistics for Engineering</i> (Quantitative Reasoning)	3	MATH 2200: <i>Elementary Linear Algebra</i>	3
Natural Science with Lab Sequence	4	Natural Science with Lab Sequence	4
Humanities and Fine Arts	3		
	16		14
Third Year – 31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
CPSC 3220: <i>File and Data Processing</i>	3	CPEN 3710: <i>Computer System Organization and Assembly Language Programming</i>	4
CPSC 3610: <i>Ethical and Social Issues in Computing</i> (Humanities and Fine Arts)	3	CPSC 3200: <i>Algorithm Analysis and Advanced Data Structure</i>	3
CPSC 4550: <i>Computer Networks</i>	3	CPSC 4600: <i>Biometrics and Cryptography</i>	3
MATH 2030: <i>Discrete Math for Computer Science</i> or MATH 3000: <i>Introduction to Logic and Proof</i>	3	CPSC 4620: <i>Computer Network Security</i>	3
Individual and Global Citizenship	3	CPSC 4680: <i>Computer Crime Investigation</i>	3
	15		16
Fourth Year – 31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
CPSC 4900: <i>Software Engineering</i>	3	CPSC 4100: <i>Survey of Programming Languages</i>	3
CPEN 4700: <i>Computer Architecture</i>	3	CPSC 4660: <i>Systems Vulnerability Analysis and Auditing</i>	3
CPSC 4270: <i>Database and Security</i>	3	CPSC 4910: <i>Senior Capstone</i> or CPSC 4995r: <i>Thesis</i>	3
Natural Science with Lab	4	Natural Science without Lab	3
Humanities and Fine Arts	3	Behavioral and Social Science	3
	16		15

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		24-25 General Education Hours	
39 Upper Division (3000-4000) Hours		96 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
45 Hours at 4-year Institution		Elective Hours (<i>Not Required</i>)	
		Foreign Language (<i>Not Required</i>)	