

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

<b>First Year – 28-29 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
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 (Math)</i>	4	MATH 1960: <i>Calculus w Analytic Geometry II</i>	4
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 or HIST 2100 (Rhetoric and Writing II)	3
FAH: Historical Understanding	3	CRMJ 1100: <i>Intro to the Criminal Justice System (Behavioral and Social Science)</i>	3
	14-15		14
<b>Second Year – 30 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CPSC 2800: <i>Intro to Operating Systems</i>	3	CPSC 3600: <i>Principles of Info Security &amp; Assurance</i>	3
FAH: Literature	3	MATH 2200: <i>Elementary Linear Algebra</i>	3
CPSC 2100: <i>Software Design and Development</i>	3	CPEN 3700: <i>Digital Logic &amp; Intro to Comp. Hardware</i>	4
Natural Science with Lab Sequence	4	Natural Science with Lab Sequence	4
MATH 3100: <i>Applied Stats</i> , 2100: <i>Introductory Stats</i> , or ENCE 2220: <i>Probability &amp; Stats for Engr (Statistics)</i>	3		
	16		14
<b>Third Year – 31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CPSC 3220: <i>File &amp; Data Processing</i>	3	CPSC 3200: <i>Algorithm Analysis &amp; Advanced Data Structure</i>	3
CPSC 4550: <i>Computer Networks</i>	3	CPSC 4600: <i>Biometrics and Cryptography</i>	3
CPSC 3610: <i>Ethical &amp; Social Issues in Computing (FAH: Thought, Values and Beliefs)</i>	3	CPEN 3710: <i>Computer System Organization &amp; Assembly Language Programming</i>	4
MATH 2030: <i>Discrete Math for Comp. Science</i> or 3000: <i>Intro to Logic &amp; Proof</i>	3	CPSC 4680: <i>Computer Crime Investigation</i>	3
Non-Western Culture	3	CPSC 4620: <i>Computer Network Security</i>	3
	15		16
<b>Fourth Year – 31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CPSC 4900: <i>Software Engineering</i>	3	CPSC 4660: <i>Systems Vulnerability Analysis &amp; Auditing</i>	3
CPEN 4700: <i>Computer Architecture</i>	3	CPSC 4910r: <i>Senior Capstone</i> or 4995r: <i>Thesis</i>	3
FAH: Visual and Performing Arts	3	CPSC 4100: <i>Survey of Programming Languages</i>	3
CPSC 4270: <i>Database &amp; Security</i>	3	Behavioral and Social Science	3
Natural Science with Lab	4	Natural Science	3
	16		15

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
120 Total Hours		28-29 General Education Hours	
39 Upper Division (3000-4000) Hours		92 Program (Major) Hours	
30 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year Institution		Elective Hours ( <i>Not Required</i> )	
		Foreign Language ( <i>Not Required</i> )	