Please refer to the Undergraduate Catalog for further program requirements and course descriptions.

First Year – 29-33 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
CHEM 1110/1110L: General Chemistry I/Lab (Natural	4	CHEM 1120/1120L: General Chemistry II/Lab	4		
Science)	<u> </u>	CHEW 1120/1120L. General Chemistry liftab	4		
MATH 1950: Calculus with Analytic Geometry I (Quantitative	4	MATH 1960: Calculus with Analytic Geometry II	4		
Reasoning)		·			
PHYS 1250: The First Year Experience in Physics		PHYS 1350: Introduction to Data Analysis and Python	3		
Behavioral and Social Science	Programming for STEM students  Writing and Communication (ENGL 1020)		3		
	0-4	Behavioral and Social Science	3		
Elective (ENGL 1010 or 1011)*	+	Benavioral and Social Science	+		
Coord Vorus 20 House	12-16		17		
Second Year – 29 Hours	1	la	1		
Fall Semester:	Hrs	Spring Semester:	Hrs		
CPSC 1100: Fundamentals of Computer Science	4	MATH 2560: Calculus with Analytic Geometry III	4		
MATH 2100: Introductory Statistics or MATH 3100: Applied	3	PHYS 2310/2310L: Principles of Physics - Electricity and	4		
Statistics (Quantitative Reasoning)	Ĭ	Magnetism/Lab	ļ.		
MATH 2200: Elementary Linear Algebra	3	PHYS 2320/2320L: Principles of Physics - Optics and Modern	4		
DLIVE 2200/22001. Dringinles of Dhysics. Machanics and	<u> </u>	Physics/Lab			
PHYS 2300/2300L: <i>Principles of Physics - Mechanics and Heat/Lab</i> (Natural Science)	4	PHYS 3810: Introduction to Quantum Information Science and Technology	3		
Treut/Lub (Natural Science)	14	and recimology	15		
Third Year – 30-32 Hours	1 - 1		13		
Fall Semester:	Hrs	Spring Semester:	Hrs		
ENGL 2820: Scientific Writing	3	PHYS 3420: Electricity and Magnetism	4		
MATH 2450: Introduction to Differential and Difference		, ,			
Equations	3	PHYS 4110: Introduction to Quantum Mechanics			
PHYS 3110: Introduction to Thermal Physics	4	Approved Technical Elective (3000-4000 Level)**			
PHYS 3410: Classical Mechanics	4	Humanities and Fine Arts			
THSP 1090: Public Speaking (Writing and Communication)					
	17		13-15		
Fourth Year – 28-33 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
DHVS 2070/20701 · Ontics/Lab	1	PHYS 3180: Radiation Physics and Introductory Health			
PHYS 3070/3070L: Optics/Lab	4	Physics or PHYS 4997R: Research	3		
PHYS 3990: Methods of Experimental Physics II	3	Approved Technical Elective (3000-4000 Level)**	3-4		
PHYS 4810: Physics Concepts in Quantum Information	3	Humanities and Fine Arts			
Science and Technology	3	Trumanices and Fine Arts	3-4		
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4		
Humanities and Fine Arts	3-4				
	16-18		12-15		

<sup>\*</sup>If a student does not place into ENGL 1020 (30+ on ACT English or 680+ on SAT Verbal), ENGL 1010 or 1011 is required.

<sup>\*\*</sup>If taken for 3 credit hours, additional upper division hours in Physics or Astronomy are required.

Completed:				
Graduation Requirements:	Hrs	Degree Requirements:	Hrs	
120 Total Hours		24-29 General Education Hours		
39 Upper Division (3000-4000 Level) Hours		92-94 Program (Major) Hours		
30 Hours at UTC		Minor (Not Required)		
45 Hours at 4-year Institution		0-4 Elective Hours		
		Foreign Language (Not Required)		