

[Please see the Courses section of this catalog for complete course descriptions.](#)

<b>First Year – 30-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CHEM 1110/1110L: <i>General Chemistry I/Lab</i>	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i>	4
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i>	4	BIOL 1120/1120L: <i>Principles of Biology II/Lab</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
	15-16		15
<b>Second Year – 29 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
PHYS 2300/2300L: <i>Principles of Physics - Mechanics and Heat/Lab (Natural Science)</i>	4	PHYS 2310/2310L: <i>Principles of Physics - Electricity and Magnetism/Lab (Natural Science)</i>	4
MATH 2200: <i>Elementary Linear Algebra</i>	3	PHYS 2320/2320L: <i>Principles of Physics - Optics and Modern Physics/Lab</i>	4
BIOL 1130: <i>Principles of Biology III</i>	3	MATH 2450: <i>Intro to Differential/Difference Equations</i>	3
CHEM 3010/3010L: <i>Organic Chemistry I/Lab</i>	4	CHEM 3020/3020L: <i>Organic Chemistry II/Lab</i>	4
	14		15
<b>Third Year – 31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
BIOL 3250: <i>Genetics</i>	3	CHEM 4510: <i>Biochemistry</i>	3
MATH 2550: <i>Multivariable Calculus</i>	3	ENGL 2820: <i>Scientific Writing</i>	3
PHYS 3070/3070L: <i>Optics/Lab</i>	4	PHYS 3990: <i>Methods of Experimental Physics II/Lab</i>	3
Behavioral and Social Science	3	Behavioral and Social Science	3
FAH: Historical Understanding	3	Statistics	3
	16		15
<b>Fourth Year – 30 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
PHYS 3110/3110L: <i>Intro to Thermal Physics/Lab</i>	4	CHEM 4530: <i>Proteins &amp; Nucleic Acids</i> or BIOL 4280: <i>Cellular Biology</i>	4
PHYS 4110: <i>Intro to Quantum Mechanics</i>	3	PHYS 4300/4300L <i>Physics of Living Systems/Lab</i>	4
FAH: Literature	3	PHYS Elective (3000-4000 Level) (4997 or 3180)	3
FAH: Thought, Values and Beliefs	3	Non-Western Culture	3
FAH: Visual and Performing Arts	3		
	16		14

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
120 Total Hours		30-31 General Education Hours	
39 Upper Division (3000-4000) Hours*		90 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> )	