

This four year plan is a sample and only for planning purposes; this is not an official document. Please Note that the 4-Planner will vary on alternating years based on course offering. You are required to meet with an Academic Advisor each semester.

YEAR ONE
FALL SEMESTER

Course #	Course Name	Units
CHEM 120/R/L*	General Chemistry I	
MATH 170* if needed	Pre-Calculus	
NT 101C	New Testament Survey	
CORE 100C	Cornerstone	
ENGL 120C	Persuasive Writing	
TOTAL		15

SPRING SEMESTER

Course #	Course Name	Units
CHEM 121/R/L	General Chemistry II	
MATH 180	Calculus I	
ANTH 102C	Intro. to Cultural Anthro. or General Sociology	
SOC 101C		
THEO 101C	Foundations of Christian Life or Intro. to Theology	
THEO 103C		
TOTAL		15

YEAR TWO
FALL SEMESTER

Course #	Course Name	Units
CHEM 304/R/L	Organic Chemistry I	
MATH 181	Calculus II	
PSCI223/R/L	Mechanics & Heat	
KINE 145	Lifetime Fitness	
TOTAL		15

SPRING SEMESTER

Course #	Course Name	Units
CHEM 121/R/L	General Chemistry II	
PSCI 225/R/L	Electricity, Magnetism & Light	
CHEM 252/L	Analytical Chemistry	
KINE 146	Lifetime Fitness Lab	
TOTAL		15

YEAR THREE
FALL SEMESTER

Course #	Course Name	Units
CHEM 456	Physical Chemistry: Thermodynamics	
CHEM 440/L	Instrumental Analysis	
PSYC 103C	General Psychology	
ENGL 220C	Researched Writing	
TOTAL		15

SPRING SEMESTER

Course #	Course Name	Units
CHEM 457	Physical Chemistry: Kinetics & Stat. Mech.	
CHEM 456L	Physical Chemistry Techniques	
THEO 300C	Developing a Christian World View	
HIST 156C	U.S. History or U.S. Government	
POLS 155C		
<i>MATH 310</i>	<i>Multivariable Calculus</i>	
<i>CHEM 458</i>	<i>Physical Chemistry: Quantum Mechanics**</i>	
TOTAL		12

YEAR FOUR
FALL SEMESTER

Course #	Course Name	Units
CHEM 430	Biochemistry	
CHEM 430L	Experimental Techniques in Biochemistry	
OT 201C	Old Testament Survey	
COMM 201C	Speech Composition & Presentation	
<i>MATH 310</i>	<i>Differential Equations</i>	
HIST 203C	World Civilization I (HIST 203C) or	
HIST 204C	World Civilization II (HIST 204C)	
TOTAL		16

SPRING SEMESTER

Course #	Course Name	Units
CHEM 435	Advanced Biochemistry	
ENGL 230C	English Literature	
CHEM 499C	Capstone Seminar in Chemistry	
CHIS 400C	Christian Heritage (CHIS 400C)	
	<i>Fine Arts Requirement</i>	
TOTAL		14

*MATH PLACEMENT TEST REQUIRED DURING WELCOME WEEK; CHEMISTRY PLACEMENT TEST TO BE COMPLETED ONLINE BEFORE THE START OF CLASS. IF UNABLE TO ENTER CHEM 120, THEN CHEM 112/L SHOULD BE TAKEN AND CHEM 120 WILL BE TAKEN IN THE SPRING WITH CHEM 121 TAKEN IN THE SUMMER OF FIRST YEAR; IF UNABLE TO ENTER MATH 170, THEN COLLEGE ALGEBRA AND TRIGONOMETRY WILL BE NEEDED BEFORE TAKING MATH 170. A CORE COURSE MAY BE SUBSTITUTED IF MATH 170 IS UNNECESSARY.

** ONLY OFFERED IN SUMMER.

NOTE: Those courses listed in italics are one of several alternatives; see the VUSC University Catalog: Chemistry Major Requirements for details. Also note that 3 additional elective units must be taken to qualify for graduation.