

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
CHEM120/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	
BIOL 111C/L	General Biology 1	
THEO 101C	Foundations of Christian Life or Intro. to Theology	
THEO 103C		
TOTAL		16

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 305/R/L	Organic 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	
BIOL 220C/L	Cell Biology	
TOTAL		16

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		
ANTH 102C	<i>Intro. to Cultural Anthro. or General Sociology</i>	
SOC 101C		
TOTAL		15

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	
HIST 203C	World Civilization I or World Civilization II	
HIST 204C	<i>Fine Arts Requirement</i>	
TOTAL		16

SPRING SEMESTER

Course #	Course Name	Units
CHEM 435	Advanced Biochemistry	
BIOL 347C or 348C	Field Ecology or Microbiology	
BIOL 309		
ENGL 230C	English Literature	
CHEM 499C	Capstone Seminar in Chemistry	
CHIS 400C	Christian Heritage	
TOTAL		15

*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.

UNDERGRADUATE RESEARCH (CHEM 485) IS ONLY OFFERED IN THE SUMMER AND TWO UNITS IS REQUIRED FOR THE BIOCHEMISTRY DEGREE.

** 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.