

CHEMISTRY MAJOR

NAME	I.D.#	Expected Grad Date	B.S. Degree
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General Education Requirements

has needs

- 3 THEO 101 Christian Formation
- 3 BLIT 202 Christian Scriptures I
- 3 BLIT 303 Christian Scriptures II
- 3 THEO 404 Christian Faith
- 3-4 ENGL 108 or 109 College Writing I
- 3 ENGL 210 College Writing II
- 3 COMM 105 Fundamentals of Communication
- 3 FINA 101 Introduction to Fine Arts
- 3 HIST 200 Western Civilization
- 3 LIT 205 Studies in Literature
- 3 Select from: ECON 110, PSCI 101, PSCI 223, PSYC 101, or SOCY 120
- 3-8 Elementary Foreign Language I & II **OR** approved International Culture Courses
- 3-4 BIOL 201 General Biological Science or approved biological lab science
- 3 PHED 126 Nutrition or PHED 190 Wellness

Major: 42-51 hours

has needs

- 4 CHEM 103 General Chemistry I
- 4 CHEM 104 General Chemistry II
- 4 CHEM 301 Quantitative Analysis
- 5 CHEM 311 Organic Chemistry I
- 5 CHEM 312 Organic Chemistry II
- 4 CHEM 382 OR 392 Physical Chemistry
- 1 CHEM 495 Chemistry Seminar

Plus completion of one of the concentrations at the right:

A: GENERAL CONCENTRATION

has needs

- 3 CHEM 320 Inorganic Chemistry
 - 4 CHEM 335 Biochemistry
 - 4 CHEM 382 **OR** 392 Physical Chemistry
 - 4 CHEM 410 Instrumental Analysis
- Required Supporting Courses:**
- 4 MATH 147 Calculus I
 - 4 MATH 148 Calculus II
 - 4 MATH 361 Calculus III
 - 3-4 MATH 241 Statistics **OR** MATH 351 Linear Algebra **OR** MATH 357 Differential Equations
 - 5 PHYS 201 General Physics I
 - 5 PHYS 202 General Physics II

B: BIOCHEMISTRY CONCENTRATION

- 4 BIOL 125 Biology I
 - 4 BIOL 319 Genetics
 - 4 BIOL 484 Molecular and Cell Biology
 - 4 CHEM 335 Biochemistry
 - 4 CHEM 436 Advanced Biochemistry
- And one of the following:**
- 4 BIOL 356 Microbiology **OR**
 - CHEM 382 Physical Chemistry/Thermodynamics **OR**
 - CHEM 392 Physical Chemistry/Kinetics **OR**
 - CHEM 410 Instrumental Analysis

Required Supporting courses:

- 4 MATH 147 Calculus I
- 4 MATH 148 Calculus II
- 3-4 MATH 241 Statistics **OR** MATH 351 Linear Algebra **OR** MATH 361 Calculus III
- 8-10 One Year of Physics

C: FORENSICS CONCENTRATION

- 4 CHEM 335 Biochemistry
- 3 CHEM 340 Drug Chemistry
- 3 CHEM 375 Optical/Electron Microscopy
- 4 CHEM 410 Instrumental Analysis
- 4 BIOL 125 Biology I
- 4 BIOL 380 Toxicology

Required Supporting courses:

- 3 CJUS 243 Intro to Criminal Justice
- 3 CJUS 293 Criminal Law
- 3 CJUS 360 Criminal Procedure
- 3 CJUS 370 Criminalistics
- 4 MATH 147 Calculus I
- 4 MATH 148 Calculus II
- 4 MATH 241 Statistics
- 5 PHYS 201 General Physics I
- 5 PHYS 202 General Physics II