

## Tentative Four Year Plan: BS Chemistry / Pre-Optometry

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Dental program requirements not covered below. Some possible recommended courses would include the following: Microeconomics or Macroeconomics, and Medical Terminology

Class	Fall Term	Spring Term
Freshman	CHEM 151: Chemical Principles I CHEM 161: Chemical Principles Lab MATH 171: Precalculus BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Lab INQ 1XX: Freshman Inquiry Seminar Credits: 15	CHEM 152: Chemical Principles II CHEM 162: Chemical Principles. II Lab MATH 270: Calculus I BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Lab ENG 111: College Writing Credits: 15

**Summer: Job Shadow**

Sophomore	CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Lab MATH 271: Calculus II PH 251: General Physics I <b>OR</b> PH 258: Introduction to Physics I PH 268: Introduction to Physics I Lab PSY 211: General Psychology Credits: 15	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Lab CHEM 265: Inorganic Chemistry I CHEM 266: Inorganic Chemistry I Lab PH 252: General Physics II <b>OR</b> PH 258: Introduction to Physics II PH 268: Introduction to Physics II Lab SOC 211: Principles of Sociology Credits: 15
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**Summer: Job Shadow and OAT Prep**

Junior	CHEM 366: Inorganic Chemistry II CHEM 367: Inorganic Chemistry II Lab CHEM 353: Analytical Chemistry I CHEM 363: Analytical Chemistry I Lab  BIOL 251: Human Anatomy & Physiology I BIOL 261: Human Anatomy & Physiology I Lab Gen Ed: Elective (as needed) Credits: 14	CHEM 257 Organic Spectroscopy BIOL 252: Human Anatomy & Physiology II BIOL 262: Human Anatomy & Physiology II Lab CHEM 358 Analytical Chemistry II CHEM 368 Analytical Chemistry II Lab Gen Ed: Elective (as needed) NFSS 111: Health Education Credits: 16
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**Summer: Take OAT and Submit Application**

Senior	CHEM 354: Physical Chemistry I CHEM 364 Physical Chemistry I Lab BCHM 453 Biochemistry I BCHM 463 Biochemistry Lab Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) 1XX Health Education Credits: 15	CHEM 355 Physical Chemistry II CHEM 470 Chemistry Seminar Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Credits: 15
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