

Tentative Four Year Plan: BS Chemistry, Biochemistry Concentration / Pre-Vet

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 Veterinary program requirements not covered below. Some possible recommended courses would include the following: General Zoology, Animal Physiology, Comparative Vertebrate Anatomy, Animal Behavior, Animal Nutrition, Evolution, Wildlife Management, Fisheries, Ornithology, Herpetology Microeconomics, and Macroeconomics

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Class	Fall Term	Spring term
Freshman	CHEM 151: Principles of Chemistry I CHEM 161 Principles of Chemistry I Laboratory BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 111: College Writing MATH 171: Precalculus ENG 11: College Writing <div style="text-align: right;">Credits: 16</div>	CHEM 152: Principles of Chemistry II CHEM 162 Principles of Chemistry II Laboratory MATH 270: Calculus I INQ 1XX: Freshman Seminar PSY 211: General Psychology <div style="text-align: right;">Credits: 14</div>

Summer: Job Shadow and find clinical/volunteer experience

Sophomore	CHEM 251 Organic Chemistry I CHEM 261 Organic Chemistry I Lab MATH 271 Calculus II PH 251 General Physics I Gen Ed: Psychology course, PSY 260 –OR- PSY 354 <div style="text-align: right;">Credits: 15</div>	CHEM 252 Organic Chemistry II CHEM 262 Organic Chemistry II BIOL 203 Cell Biology OR BIOL 201 Genetics PH 252 General Physics II SOC 211: Principles of Sociology <div style="text-align: right;">Credits: 14</div>
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Summer: Job Shadow, clinical/volunteer experience, and GRE Prep

Junior	CHEM 353: Analytical Chemistry I CHEM 363: Analytical Chemistry I Laboratory BCHM 453: Biochemistry I BCHM 463: Biochemistry I Lab BIOL 251: Anatomy and Physiology I BIOL 261: Anatomy and Physiology I Laboratory NFSS 111: Health Education <div style="text-align: right;">Credits: 14</div>	CHEM 358: Analytical Chemistry II CHEM 368: Analytical Chemistry II Laboratory BCHM 454: Biochemistry II BIOL 341: General Microbiology Gen Ed: English COM 113 Public Speaking <div style="text-align: right;">Credits: 17</div>
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Summer: Take GRE and Submit Application

Senior	CHEM 354: Physical Chemistry I CHEM 364: Physical Chemistry I Lab BIOL 483: Molecular Biology Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: NFSS 1XX <div style="text-align: right;">Credits: 13</div>	CHEM 470: Chemistry Seminar CHEM 265: Inorganic Chemistry I CHEM 266: Inorganic Chemistry I Laboratory Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) <div style="text-align: right;">Credits: 17</div>
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