

BIOLOGY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN PRE-HEALTH PROFESSIONS

Recommended Four-Year Plan

| Course | Title | Hours |
|--|---|-----------|
| First Year | | |
| Fall | | |
| BIOL 113 | Biology I: Foundations of Ecology, Evolution and Diversity with Lab | 4 |
| CHEM 107 | General Chemistry I | 3 |
| CHEM 111 | General Chemistry I Lab | 1 |
| ENGL 102 | Critical Writing | 3 |
| ESAP 101 | FIRST Seminar ¹ | 1 |
| SUBJ 139 | Foundations of Academic Discovery * | 3 |
| Hours | | 15 |
| Spring | | |
| ENGL 104 | Critical Reading | 3 |
| CHEM 108 | General Chemistry II | 3 |
| CHEM 112 | General Chemistry II Lab | 1 |
| BIOL 114 | Biology II: Foundations of Molecules, Genes and Cells with Lab | 4 |
| Creative & Aesthetic Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Hours | | 14 |
| Second Year | | |
| Fall | | |
| BIOL 250 | Genetics with Lab | 4 |
| CHEM 201 | Organic Chemistry I | 3 |
| CHEM 211 | Organic Chemistry Laboratory I | 1 |
| Select one of the following: | | 3 |
| COMM 200 | Civil Discourse: Theory & Practice | |
| PHIL 110 | Ethics and Civil Discourse | |
| POLS 110 | Foundations of Political Science | |
| Humanities Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Declare a Thematic Thread ² | | |
| Hours | | 14 |
| Spring | | |
| Select one of the following: | | 3-4 |
| CHEM 202 & CHEM 212 | Organic Chemistry II and Organic Chemistry Laboratory II | |
| BIOL 3XX/4XX | 300/400 Biology Elective | |
| BIOL 325 | Biostatistics and Experimental Design with Lab | 3 |
| Social Science Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |

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|---|---|----------------|
| Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Hours | | 15-16 |
| Third Year | | |
| Fall | | |
| Select one of the following: | | 3 |
| CHEM 335 | Biochemistry I | |
| BIOL 3XX/4XX | 300/400 Biology Elective | |
| BIOL 209 | Human Anatomy and Physiology I | 4 |
| BIOL 300+ | Upper Level BIOL Elective | 3 |
| Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/) | | 3 |
| Hours | | 16 |
| Spring | | |
| BIOL 309 | Human Anatomy and Physiology II | 4 |
| BIOL 330 | Microbiology/Lab | 3 |
| MATH 125 or MATH 225 | Precalculus or Calculus I | 4 |
| Elective with DEI attribute | | 3 |
| Hours | | 14 |
| Fourth Year | | |
| Fall | | |
| PHYS 201 or PHYS 216 | Elements of Physics I with Lab or University Physics 1 with Lab | 4 |
| BIOL 401 | Ecology with Lab | 3 |
| BIOL 300+ | Upper Level BIOL Elective | 3 |
| Elective | | 4 |
| Hours | | 14 |
| Spring | | |
| PHYS 202 or PHYS 217 | Elements of Physics II/ Lab or University Physics 2 with Lab | 4 |
| BIOL 335 | Cell Biology | 3 |
| BIOL 490 | Independent Study | 3 |
| Elective | | 4 |
| Elective | | 4 |
| Hours | | 18 |
| Total Hours** | | 120-121 |

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Course offered in multiple subjects; cannot take course in first major subject.

** This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.

Major/Concentration: 6108/PHLT

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