



Sample Schedule: students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in **four years**.

FIRST YEAR

First Semester

| Course | Prerequisites / Comments | Credits | Semester Offered |
|--|--|--------------|------------------|
| BIOL 145-Intro to Sci. Inquiry | | 1 | F |
| BIOL 151 General Biology I* and Lab | | 4 | F |
| CHEM 112 General Chemistry I * and Lab | Math 114, 115, 129, 121, 123, 125 or 281 | 4 | F |
| MATH 1XX College Algebra/Trigonometry/Calculus I | Placement reports determine | 3-4 | Varies |
| CSC 105 Intro to Computers | | 3 | F,S,SU |
| Total Credit Hours | | 15-16 | |

Second Semester

| Course | Prerequisites / Comments | Credits | Semester Offered |
|--|--------------------------|-----------|------------------|
| BIOL 153 General Biology II * and Lab | | 4 | S |
| ENGL 101 Composition I* | | 3 | F,S |
| CHEM 114 General Chemistry II* | CHEM 112 and Lab | 4 | S |
| Social Science (Psychology) ** | | 3 | F,S |
| CIS 123 Prob. Solving or CSC 150 Comp. Science I | | 3 | F,S,SU |
| Total Credit Hours | | 17 | |

Second Year

Third Semester

| Course | Prerequisites / Comments | Credits | Semester Offered |
|--|--------------------------------------|-----------|------------------|
| BIOL 331 Microbiology** and Lab | BIOL 151 and Lab | 4 | F |
| BIOL 280 Inquiry and Analysis in Biology and Lab | BIOL 151 and Lab or BIOL 153 and Lab | 2 | F |
| CHEM 326 Organic Chemistry I* | CHEM 114 and Lab | 3 | F |
| CHEM 326L Organic Chemistry I Lab* | | 1 | F |
| Arts and Humanities | | 3 | Varies |
| Social Science (Sociology) | | 3 | F,SU |
| Total Credit Hours | | 16 | |

Fourth Semester

| Course | Prerequisites / Comments | Credits | Semester Offered |
|-------------------------------------|--------------------------|-----------|------------------|
| BIOL 221 Human Anatomy** and Lab | BIOL 151 and Lab | 4 | S |
| CHEM 328 Organic Chemistry II* | CHEM 326 and Lab | 3 | S |
| CHEM 328L Organic Chemistry II Lab* | | 1 | S |
| SPCM 101 Oral Communications* | | 3 | F,S |
| MATH 281 Statistics** | | 3 | F,S,SU |
| Total Credit Hours | | 15 | |

THIRD YEAR

| Fifth Semester | | | |
|--|---|----------------|-------------------------|
| Course | Prerequisites / Comments | Credits | Semester Offered |
| BIOL 311 Ecology and Lab | BIOL 151 and Lab; or BIOL 153 and Lab | 4 | F Odd Years |
| BIOL 325 Physiology** and Lab | BIOL 151 and Lab; or BIOL 153 and Lab; or Biol 221 and Lab; or CHEM 112 and Lab | 4 | F |
| PHYS 211 University Physics I* and Lab | Math 123 or Math 125 | 4 | F |
| ENGL 201 Composition II* | ENGL 101 | 3 | F,S |
| Total Credit Hours | | 15 | |
| Sixth Semester | | | |
| Course | Prerequisites / Comments | Credits | Semester Offered |
| BIOL 371 Genetics** and Lab | BIOL 101 and Lab; or Biol 151 and Lab | 4 | S Even Years |
| CHEM 460 Biochemistry** and Lab | CHEM 326 and Lab | 3 | S Even Years |
| BIOL 303 Intro to Biological Instrumentation | BIOL 151 and Lab; and CSC 105 | 3 | S Odd Years |
| PHYS 213 University Physics II* and Lab | MATH 123 and PHYS 211 and Lab | 4 | S |
| Arts and Humanities | | 3 | Varies |
| Total Credit Hours | | 17 | |

FOURTH YEAR

| Seventh Semester | | | |
|---|--|----------------|-------------------------|
| Course | Prerequisites / Comments | Credits | Semester Offered |
| BIOL 422 Immunology and Lab | BIOL 151 and Lab; and CHEM 112 and Lab | 3 | F Even Years |
| BIOL Elective | | 4 | Varies |
| CHEM/EXS/PHYS Elective | | 3 | Varies |
| Social Science | | 3 | Varies |
| Total Credit Hours | | 13 | |
| Eighth Semester | | | |
| Course | Prerequisites / Comments | Credits | Semester Offered |
| BIOL 343 Cell Molecular Biology** and Lab | BIOL 151 and Lab | 4 | S Odd Years |
| BIOL 498 Undergrad. Research | Consent of instructor | 2 | F,S,SU |
| BIOL/CHEM/EXS/PHYS Elective | | 4 | Varies |
| BIOL 335 Bioinformatics | BIOL 151 and Lab | 3 | S Even Years |
| ENGL 379 Tech Communications | ENG 201 | 3 | S |
| Total Credit Hours | | 16 | |

* Required for all optometry schools

** Required or recommended by many optometry schools

Information is subject to change. This is not a contract.

Semester: F = Fall; S = Spring; SU = Summer (online only)