

Biological Sciences Sample Plan – Human Biology Track

| Year | Semester | Units | Course 1 | Course 2 | Course 3 | Course 4 |
|--------|------------|---------------|--|--|---|---|
| Year 1 | Semester 1 | (17 units) | ● BIO 1 & 1L Contemporary Biology with Lab (5 units) | SPARK Seminar (4 units) | ● MATH 11 Calculus I for BIO (4 units) | ● CHEM 2 General Chemistry I (4 units) |
| | Semester 2 | (17 units) | BIO 2 & 2L Intro to Molecular Biology with Lab (5 units) | WRI 10 College Reading & Composition (4 units) | ● MATH 12 Calculus II for BIO (4 units) | ● CHEM 10 General Chemistry II (4 units) |
| Year 2 | Semester 3 | (12-16 units) | Language (2-4 units) | ● MATH 15 Introduction to Scientific Data Analysis (2 units) | PHYS 18 Introductory Physics I for Biological Sciences (4 units) | CHEM 8/L Organic Chemistry I (4 units) |
| | Semester 4 | (13-17 units) | BIO 110 The Cell (4 units) | Approaches to Knowledge Area A III (2-5 units) | PHYS 19 Introductory Physics II for Biological Sciences (4 units) | CHEM 100 Organic Chemistry II (3-4 units) |
| Year 3 | Semester 5 | (15-17 units) | BIO 18 Statistics for Scientific Data Analysis (4 units) | Approaches to Knowledge Area B I (4-5 units) | [Evolution Course] (3-4 units) | BIO 101 Biochemistry (4 units) |
| | Semester 6 | (12-15 units) | [Human Biology Course with Lab – Lecture +Lab] (5-7 units) | BIO 140 Genetics (4 units) | Approaches to Knowledge Area B II (2-4 units) | Free Elective (minimum 1 unit) |
| Year 4 | Semester 7 | (12-14 units) | [Human Biology Elective] (3-4 units) | Writing in the Discipline (3-5 units) | Approaches to Knowledge Area B III (4-5 units) | Free Elective (minimum 2 unit) |
| | Semester 8 | (12-13 units) | [Psychological, Social and Behavioral Science Elective] (4 units) | [Quantitative Biology] (4 units) | Integrative Culminating Experience (4-5 units) | |

Major Requirement Only
 General Education Requirement Only
 Major Requirement and General Education Requirement
 Free Elective units
 Meets Badge

- This sample plan demonstrates the recommended sequencing and timing of the required and elective components within the major.
- In many cases, a student's academic background will require variations in the timing of the coursework listed in the plan.
- All students are expected to work with their academic advisor to find their best pathway through the degree requirements of their chosen program.