

Biology - Systems & Structural Biology Course Plan

Catalog Year 2019-2020

Legend

*** Major Requirement**

Must be taken to fulfill major requirements.

† Major Elective

Must be taken to fulfill major requirements, or replaced with an equivalent course.

‡ Gen-Ed Requirement

Must be taken to fulfill general education requirements.

§ Elective

Can be chosen from a selection of courses.

See MyGFU for detailed academic requirements.

First Year

Fall Semester

| | |
|--------------------------------------|-------------------|
| General Biology I (BIOL 211) * | 4 credits |
| General Chemistry I (CHEM 211) * | 4 credits |
| I Believe (THEO 101) ‡ | 3 credits |
| Knowing and Being Known (LIBA 100) ‡ | 3 credits |
| Semester Total | 14 credits |
| Cumulative Total | 14 credits |

Spring Semester

| | |
|--|-------------------|
| General Biology II (BIOL 212) * | 4 credits |
| General Chemistry II (CHEM 212) * | 4 credits |
| I Believe (THEO 102) ‡ | 3 credits |
| Introduction to Communication (COMM 100) ‡ | 3 credits |
| Social Science GE Requirement (Alternative option to take GE MATH and move GE Social Science to second year) ‡ | 3 credits |
| Semester Total | 17 credits |
| Cumulative Total | 31 credits |

Second Year

Fall Semester

| | |
|--|-------------------|
| Genetics - strongly recommended (BIOL 350) * | 4 credits |
| Organic Chemistry I (CHEM 331) * | 4 credits |
| Lifelong Fitness (HHPA 120) ‡ | 2 credits |
| HUMA 205 or Alternate Philosophy and Literature GE Requirement ‡ | 3 credits |
| MATH 201, 240 or CSIS 201 - (MATH 240 will not meet GE MATH requirement) ‡ | 3 credits |
| Semester Total | 16 credits |
| Cumulative Total | 47 credits |

Spring Semester

| | |
|-------------------------------------|-------------------|
| BIOL Field Studies Group Elective * | 4 credits |
| Organic Chemistry II (CHEM 332) * | 4 credits |
| Bible Elective GE Requirement ‡ | 3 credits |
| Electives § | 4 credits |
| Semester Total | 15 credits |
| Cumulative Total | 62 credits |

Third Year

Fall Semester

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|---|-------------------|
| Cell Biology (BIOL 420) * | 4 credits |
| History/Politics/Intercultural Studies GE Requirement ‡ | 3 credits |
| HUMA 290 or Alternate Fine Arst GE Requirement ‡ | 3 credits |
| Electives § | 6 credits |
| Semester Total | 16 credits |
| Cumulative Total | 78 credits |

Spring Semester

| | |
|--|-------------------|
| Biological Exploration (Only offered in Spring) (BIOL 490) * | 2 credits |
| Advanced Human Anatomy or Comparative Vertebrate Anatomy (BIOL 450 or 322) * | 4 credits |
| Developmental Biology/Plant Physiology (BIOL 310 or 340) * | 4 credits |
| Intercultural GE Requirement ‡ | 3 credits |
| Electives § | 4 credits |
| Semester Total | 17 credits |
| Cumulative Total | 95 credits |

Fourth Year

Fall Semester

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|-----------------------------------|-----------|
| Advanced Physiology (BIOL 333) * | 4 credits |
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|-------------------------|--------------------|
| Electives § | 12 credits |
| Semester Total | 16 credits |
| Cumulative Total | 111 credits |

Spring Semester

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|---------------------------------|--------------------|
| Engaging Christ in Transition † | 3 credits |
| Electives § | 12 credits |
| Semester Total | 15 credits |
| Cumulative Total | 126 credits |

Notes