

Bachelor of Arts, Biology (B.A.): 2021-2022 Catalog

| Course No. | Description | Cr. |
|-----------------------------------|--------------------------------|-----------|
| First Year Fall | | |
| <input type="checkbox"/> BIOL 110 | Evolution, Ecol, & Plant Biol. | 4 |
| <input type="checkbox"/> CHEM 121 | Chemistry Principles I | 4 |
| <input type="checkbox"/> SOC SCI | Social Science Elective I | 3 |
| <input type="checkbox"/> WRIT 102 | Research Writing | 3 |
| <input type="checkbox"/> HIST xxx | History Elective 100-200 level | 3 |
| <input type="checkbox"/> CORE 103 | Fall Comm. Enrich. Series | 0 |
| <input type="checkbox"/> BIOL 131 | Biology Freshman Seminar | 0 |
| Total Credits | | 17 |

| | | |
|---|------------------------|--------------|
| Second Year Fall | | |
| <input type="checkbox"/> BIOL xxx | Biology Cluster Course | 3-4 |
| <input type="checkbox"/> CHEM 221 | Organic Chemistry I | 4 |
| <input type="checkbox"/> LIT 104, 201, 202, 204, 207, 270 | Literature | 3 |
| <input type="checkbox"/> PHIL 205 | Discovering Philosophy | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| Total Credits | | 16-17 |

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|-----------------------------------|-------------------------------|-----------|
| Third Year Fall | | |
| <input type="checkbox"/> BIOL xxx | Biology Elective | 4 |
| <input type="checkbox"/> PHYS 104 | Intro to Physics I | 4 |
| <input type="checkbox"/> | or 121 Gen. Physics I | |
| <input type="checkbox"/> LANG xxx | Foreign Lang. (102 or higher) | 3 |
| <input type="checkbox"/> SOC SCI | Social Science Elective II | 3 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| <input type="checkbox"/> BIOL 331 | Biology Junior Seminar | 0 |
| <input type="checkbox"/> EXAM 301 | Writing Competency | 0 |
| Total Credits | | 17 |

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|-----------------------------------|-------------------------|-----------|
| Fourth Year Fall | | |
| <input type="checkbox"/> BIOL xxx | Biology Elective | 2-5 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> | Free Elective | 0-3 |
| Total Credits | | 17 |

Total Required Credits: 128

| Course No. | Description | Cr. |
|-----------------------------------|-------------------------------------|-----------|
| First Year Spring | | |
| <input type="checkbox"/> BIOL 111 | Molecules, Cells, & Anim. Phys. | 4 |
| <input type="checkbox"/> CHEM 122 | Chemistry Principles II | 4 |
| <input type="checkbox"/> MATH 112 | Calculus | 3 |
| <input type="checkbox"/> | or 121 Calculus/Geom I | |
| <input type="checkbox"/> CORE 113 | Gen Ed 1 st Year Seminar | 3 |
| <input type="checkbox"/> RLST 105 | Franciscan Goals for Today | 3 |
| <input type="checkbox"/> CORE 104 | Spring Comm. Enrich. Series | 0 |
| Total Credits | | 17 |

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|-------------------------------------|------------------------------|--------------|
| Second Year Spring | | |
| <input type="checkbox"/> BIOL xxx | Biology Cluster Course | 3-4 |
| <input type="checkbox"/> BIOL xxx | Biology Cluster Course | 3-4 |
| <input type="checkbox"/> Statistics | Statistics Course (see note) | 3-4 |
| <input type="checkbox"/> FNAR xxx | Fine Arts Elective | 3 |
| <input type="checkbox"/> | Diversity Elective | 3 |
| <input type="checkbox"/> BIOL 231 | Biology Sophomore Seminar | 0 |
| Total Credits | | 15-18 |

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|---|-------------------------|-----------|
| Third Year Spring | | |
| <input type="checkbox"/> BIOL 301 | Genetics | 4 |
| <input type="checkbox"/> ECON/PLSC/PSYC/SOC | Social Science III | 3 |
| <input type="checkbox"/> PHIL /RLST | 300+ Phil/RLST Elective | 3 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| Total Credits | | 16 |

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|-----------------------------------|-------------------------|-----------|
| Fourth Year Spring | | |
| <input type="checkbox"/> BIOL 402 | Evolution | 3 |
| <input type="checkbox"/> BIOL 431 | Biology Senior Seminar | 1 |
| <input type="checkbox"/> | Free Elective for Minor | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> CORE 407 | Keystone Seminar | 3 |
| <input type="checkbox"/> EXAM 401 | Dept. Comp. Exam | 0 |
| Total Credits | | 13 |

Updated: 5/2021

***Sequence of courses may be altered with consent of advisor.

Biology Clusters

F = Fall; S = Spring; Su = Summer; AN = As Needed

At least 1 course is required from each cluster.

Ecology Cluster

- BIOL 203 – Ecology (S)
- BIOL 208 – Animal Behavior (F)
- BIOL 220 – Conservation Biology (S)
- BIOL 320 – Vertebrate Zoology (S)
- BIOL 322 – Field Biology (S,Su)
- BIOL 326 – Freshwater Aquatic Biology (F)

Molecules and Cells Cluster

- BIOL 214 - Clinical Microbiology (S,Su)
- BIOL 251 - Bioinformatics (AN)
- BIOL 302 – General Microbiology (F)
- BIOL 305 – Immunology (F)
- BIOL 401 – Cell & Molecular Biology (S)
- BIOL 405 – Biochemistry (F)
- BIOL 430 – Adv. Lab. Methods Molec. Bio. (AN)

Organismal Biology Cluster

- BIOL 204 – Invertebrate Zoology (F)
- BIOL 205 - Human Anatomy & Physiology I (F,Su)
- BIOL 206 - Human Anatomy & Physiology II (S,Su)
- BIOL 211 – Comparative Anatomy (S)
- BIOL 212 – Developmental Biology (S)
- BIOL 218 – Marine Biology (F)
- BIOL 306 – Animal Nutrition (F)
- BIOL 403 – Advanced Botany (F)
- BIOL 406 – Vertebrate Physiology (F)

Biology Elective Courses:

- Any of the cluster courses above
- BIOL 150 Aquarium Maintenance (max 1 cr; AN)
- BIOL x94 – Biology Research
- Any 300-, 400-, or 500-level Biology course

Statistics Requirement can be fulfilled by:

- BIOL 315 – Biostatistics (S)
- MATH 215 – Introductory Statistics (F,S)
- STAT 205 – Essentials of Statistics (F,S)

Notes:

A minor (beyond gen. ed. thematic minor), double-major, or pre-law concentration is **REQUIRED** for this degree.