

Bachelor of Arts, Biology (B.A.): 2023-2024 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 First Year Seminar	0
Total Credits		17

Second Year Fall		
<input type="checkbox"/> BIOL xxx	Biology Cluster Course	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		17

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

Fourth Year Fall		
<input type="checkbox"/> BIOL xxx	Biology Elective	2
<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"/>		
Total Credits		14

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"/> FTAE 105	Franciscan Goals for Today	3
<input type="checkbox"/> CORE 104	Spring Comm. Enrich. Series	0
Total Credits		17

Second Year Spring		
<input type="checkbox"/> BIOL xxx	Biology Cluster Course	4
<input type="checkbox"/> BIOL xxx	Biology Cluster Course	4
<input type="checkbox"/> Statistics	Statistics Course (see note)	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		18

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 /FTAE	300+ Phil/FTAE Elective	3
<input type="checkbox"/>	Free Elective for Minor	3
<input type="checkbox"/>	Free Elective for Minor	3
Total Credits		16

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	2
<input type="checkbox"/> CORE 407	Keystone Seminar	3
<input type="checkbox"/> EXAM 401	Dept. Comp. Exam	0
Total Credits		12

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

Biology Clusters

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

Requires **18 credits** of cluster + bio elective courses

At least 1 course is required from each cluster.

Ecology Cluster

BIOL 203 – Ecology (F)

BIOL 208 – Animal Behavior (F)

BIOL 220 – Conservation Biology (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 320 – Vertebrate Zoology (S)

BIOL 345 - Environmental Animal Physiology (S)

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 – Intro.

Stats (F,S), or STAT 205 - Essen. Stats (F,S)

Notes:

A minor, double-major, or pre-law concentration is **REQUIRED** for this major.