College of Arts and Sciences 2026-2027 Degree Worksheet

B.S. BIOLOGY with Concentration in Evolution and Integrative Biology (EIB)

COLLEGE of ARTS & SCIENCES *Language Requirement*

All students *who major in the College of Arts & Sciences are required to demonstrate competence in a second language. For complete details:*

https://www.gonzaga.edu/college-of-arts-sciences/about/information-for-students/language-requirement-information

Credits Sem/Yr

UNIVERSITY CORE REQUIREMENTS:

▶ FUNDAMENTAL CORE COURSES

Year 1: Understanding & Creating

Writing	Credits Sem/Yr
ENGL 101 Writing *(fulfills 3 credits Writing Enriched)* ▲	3
Reasoning	
PHIL 101 Reasoning	3
First Year Seminar	
Dept. 193	3
Communication & Speech	
COMM 100 Communication & Speech	3
Math	
MATH *(must be above Math 100)*	3
Scientific Inquiry (2cr + 1cr lab) *	
BIOL or CHEM or PHYS 104/104L *(taken year 1 or 2)*	3

Year 2: Being & Becoming

Christianity & Catholic Traditions	Credits Sem/Yr
RELI *(see approved list)***	3
Philosophy of Human Nature	
PHIL 201 Philosophy of Human Nature	3

Year 3: Caring & Doing

World/Comparative Religion	Credits Sem/Yr
RELI *(see approved list)*** *(fulfills 3cr Global Studies)* ♦	3
Ethics	
PHIL 301 Ethics **or** RELI 330 Principles-Christian Morality	3

Year 4: Imagining the Possible

Core Integration Seminar	Credits Sem/Yr
Dept. 432	3

NOTE: some courses have pre-requisites, check the catalog carefully!

▶ BROADENING COURSES - *see approved list***

Social & Behavioral Science	Credits Sem/Yr
	3
Literature	
	3
History	
	3
Fine Arts & Design	
	3

▶ REQUIRED COURSE DESIGNATIONS - *see approved list***

	Credits Sem/Yr
▲Writing Enriched	**9 total**
Social Justice	**3 total**
♦Global Studies	**6 total**

*****for list of approved RELI, Broadening & Designated courses, see :***
https://my.gonzaga.edu/academics/undergraduate-programs/general-degree-requirements-procedures/university-core

****BIOL 105/105L meets the Scientific Inquiry requirement***

B.S. BIOLOGY - Evolution and Integrative Biology (EIB) Concentration — 60-65 CREDITS

LOWER DIVISION — 36-37 Credits

28 credits

Course	Course Title	Credits	Grade
BIOL	105/105L Info Flow in Biological Systems + Lab*	4	
BIOL	106 Energy Flow in Biological Systems	3	
BIOL	111 Biology Pathways	1	
BIOL	205/205L Physiology & Biodiversity + Lab	4	
BIOL	206/206L Ecology + Lab	4	
BIOL	207/207L Genetics + Lab	4	
CHEM	101/101L General Chemistry + Lab	4	
CHEM	230/230L Organic Chemistry I + Lab	4	

Choose one of the following sets of courses + labs: ***5 credits***

PHYS	111/111L General Physics I + Lab	5	
PHYS	121/121L Physics I + Lab	5	

Choose one of the following Math or Statistics courses: ***3-4 credits***

MATH	121 Statistics	3	
MATH	221 Applied Statistics *(MATH 148 is a pre-requisite)*	3	
MATH	147 Precalculus	3	
BIOL	305 Biological Data Analysis	4	

UPPER DIVISION — 24-28 Credits

3 credits

BIOL	399 Advanced Topics	2	
BIOL	495 Senior Evaluation	0	
BIOL	499 Senior Colloquium	1	

Choose one of the following: ***3-4 credits***

BIOL	323/323L Conservation Biology + Lab	4	
BIOL	334 Advanced Evolution	3	

Biology Upper Division Electives ***12 Credits***

At least one course must include a lab (or BIOL 498 4cr Research).
Must select courses from two of the following three groups - A,B,C.

Group A:

BIOL	335 Advanced Genetics	3	
BIOL	351/351L Cell Biology + Lab	4	
BIOL	370/370L Microbiology + Lab	4	
BIOL	374 Immunology	3	
BIOL	375 Virology	3	
BIOL	456/456L Molecular Biology + Lab	4	
BIOL	441/441L Advanced Physiology + Lab	4	

Group B:

BIOL	313 Animal Behavior	3	
BIOL	331 Parasitology	3	
BIOL	334 Advanced Evolution	3	
BIOL	337 Developmental Biology	3	
BIOL	340/340L Field Botany + Lab	4	
BIOL	341/341L Human Physiology + Lab	4	
BIOL	360 Plant Biology	3	
BIOL	367/367L Entomology + Lab	4	
BIOL	371/371L Vertebrate Biology + Lab	4	
BIOL	441 Advanced Physiology	3	
BIOL	451/451L Comparative Endocrinology + Lab	4	

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of the University Core for Biology Majors & Minors.

ALL courses should be chosen in consultation with a Biology faculty advisor.

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continued

NOTES:

Credits from BIOL 497 Biology Internship do not satisfy any requirements for the Biology Major or Minor.

Students must earn a C- grade or better in BIOL 105/105L and BIOL 106 in order to take BIOL 205, 206, or 207.

Students must also earn a C- grade or better in BIOL 205/205L, 206/206L, 207/207L & BIOL 399 in order to take BIOL 499.

Upper division BIOL electives: minimum of 10 credits(BS), 6 credits(BA), or 4 credits(Minor) must be taken from Gonzaga faculty. Students participating in study abroad programs take note.

Group C:

BIOL 303/303L Population Ecology + Lab	4	
BIOL 323/323L Conservation Biology + Lab	4	
BIOL 333 Community Ecology	3	
BIOL 342/342L Plant Population Ecology + Lab	4	
BIOL 343 Plant Community Ecology	3	
BIOL 344 Introduction to GIS in Biology	3	
BIOL 357/357L Principles of Wildllife Mgmt + Lab	4	
BIOL 359/359L Studies in Biodiversity + Lab	4	
BIOL 403/403L Marine Biology + Lab	4	
BIOL 420 Physiological Ecology	3	

Additional Science electives - choose at least two: ***6-9 credits***

BIOL 305 Biological Data Analysis (if not used above)	
CHEM 102/102L General Chem II, and any CHEM course above 230	
CPSC 121 and higher	
MATH 148 and higher, if not used above	
PHYS 112 and higher, if not used above	