

College of Arts and Sciences 2024-2025 Degree Worksheet

B.A. BIOLOGY

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

	Credits Sem/Yr
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UNIVERSITY CORE REQUIREMENTS:

► FUNDAMENTAL CORE COURSES

Year 1: Understanding & Creating

Writing
ENGL 101 Writing (fulfills 3 credits Writing Enriched)* Credits Sem/Yr
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
RELI (see approved list)** Credits Sem/Yr
3

Philosophy of Human Nature
PHIL 201 Philosophy of Human Nature 3

Year 3: Caring & Doing

World/Comparative Religion
RELI (see approved list)** (fulfills 3cr Global Studies)* Credits Sem/Yr
3

Ethics
PHIL 301 Ethics or RELI 330 Principles-Christian Morality 3

Year 4: Imagining the Possible

Core Integration Seminar
Dept. 432 Credits Sem/Yr
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**

*Writing Enriched Credits Sem/Yr
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>

B.A. BIOLOGY:

40 CREDITS

LOWER DIVISION

28 Credits

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

¹students pursuing the Biology minor may substitute
ENVS 104/104L Environmental Chemistry + Lab

Choose one of the following three course+lab combinations:

CHEM 102/102L	General Chemistry II + Lab	4	
CHEM 230/230L	Organic Chemistry I + Lab	4	
ENVS 202/202L	Applied Environmental Chemistry + Lab	4	

UPPER DIVISION

12 Credits

Course	Course Title	Credits	Grade
BIOL 399	Advanced Topics	2	
BIOL 495	Senior Evaluation	0	
BIOL 499	Senior Colloquium	1	

BIOL Upper Division Electives:

9 Credits

Any BIOL course numbered 300 or above.

BIOL	Credits	Grade
BIOL		
BIOL		
BIOL		

BIOL 399, 495, 497 and 499 do not qualify.

CHEM 307/307L may be counted to meet this elective requirement.

***BIOL 105/105L meets the Scientific Inquiry requirement of the University Core for Biology Majors & Minors.**

*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 get a C- grade or better in BIOL 205/205L, BIOL 206/206L, BIOL 207/207L & BIOL 399 in order to take BIOL 499.

For upper division biology electives, a minimum of 10 credits (for B.S.), 6 credits (for B.A.), or 4 credits (for Minor) must be biology courses taken from Gonzaga faculty. Students that are participating in School for Field Studies programs or other study abroad programs should make note.

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

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