

College of Arts and Sciences 2024-2025 Degree Worksheet

B.S. 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

UNIVERSITY CORE REQUIREMENTS:

► FUNDAMENTAL CORE COURSES

Year 1: Understanding & Creating

	Credits	Sem/Yr
Writing		
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

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

Year 3: Caring & Doing

	Credits	Sem/Yr
World/Comparative Religion		
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

	Credits	Sem/Yr
Core Integration Seminar		
Dept. 432	3	

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

► BROADENING COURSES - see approved list**

	Credits	Sem/Yr
Social & Behavioral Science	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>

B.S. BIOLOGY: (no concentration)

64 CREDITS

LOWER DIVISION

46 Credits

	Course	Course Title	Credits	Grade
	BIOL 111	Biology Pathways	1	
	BIOL 105/105L	Info Flow in Biological Systems + Lab*	4	
	BIOL 106	Energy Flow in Biological Systems	3	
	BIOL 205/205L	Physiology and Biodiversity + Lab	4	
	BIOL 206/206L	Ecology + Lab	4	
	BIOL 207/207L	Genetics + Lab	4	
	CHEM 101/101L	General Chemistry I + Lab	4	
	CHEM 102/102L	General Chemistry II + Lab	4	
	CHEM 230/230L	Organic Chemistry I + Lab	4	
	CHEM 231/231L	Organic Chemistry II + Lab	4	

One of the following course and lab combinations:

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

One of the following course and lab combinations:

PHYS 112 & 112L	General Physics II + Lab	5	
OR			
PHYS 122 & 122L	Physics II + Lab	5	

UPPER DIVISION

18 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:

15 Credits

Any BIOL course numbered 300 or above.

	Course	Course Title	Credits	Grade
	BIOL			
	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 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.