Degree Worksheet for the College of Arts and Sciences: 2022-2023

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

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***

*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.S. BIOLOGY: 64 CREDITS

LOWER DIVISION **46 Credits**

Course	Course Title	Credits	Grade
BIOL	105 Info Flow in Biological Systems**	3	
BIOL	105L Info Flow in Biological Systems Lab**	1	
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 & Lab	4	
CHEM	230 & 230L Organic Chemistry I & Lab	5	
CHEM	231 & 231L Organic Chemistry II & Lab	4	
CHEM	245 & 245L Biochemistry & Lab	4	

Choose one of the following sets of courses and labs:

PHYS	101 & 101L General Physics I **&** Lab	5	
OR			
PHYS	103 & 103L Scientific Physics I **&** Lab	5	

Choose one of the following sets of courses and labs:

PHYS	102 & 102L General Physics II **&** Lab	5	
OR			
PHYS	204 & 204L Scientific 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**

(must be approved by an advisor in Biology)

Course	Course Title	Credits	Grade
BIOL			
BIOL			
BIOL			
BIOL			
BIOL			

****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.