

Degree Worksheet for the College of Arts and Sciences: 2019-2020

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

Year 2: Being & Becoming

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

Year 3: Caring & Doing

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

Year 4: Imagining the Possible

		Credits Sem/Yr
<i>Core Integration Seminar</i> 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:

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 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 faculty advisor.