Degree Worksheet for the College of Arts and Sciences: 2022-2023
B.A. MATHEMATICS

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.A. MATHEMATICS: 31 CREDITS

LOWER DIVISION
12 Credits

Course	Course Title	Credits	Grade
MATH 157	Calculus & Analytic Geometry I	4	
MATH 258	Calculus & Analytic Geometry II	4	
MATH 259	Calculus & Analytic Geometry III	4	

UPPER DIVISION
7 Credits

Course	Course Title	Credits	Grade
MATH 301	Fundamentals of Mathematics	3	
MATH 339	Linear Algebra	3	
MATH 499	Comprehensive-Math*	1	

* Majors take fall semester of their final year.

One of the following two courses: **3 Credits**

Course	Course Title	Credits	Grade
MATH 413	Real Analysis I	3	
MATH 437	Abstract Algebra I	3	

Two Mathematics 300-400 level electives: **6 Credits**

Course	Course Title	Credits	Grade
MATH		3	
MATH		3	

One 400-level Mathematics elective: **3 Credits**

Course	Course Title	Credits	Grade
MATH		3	

Cannot double count with a required course.

MATH 260 may be used as one 300-400 level elective.

Cannot use MATH 335, 339, 432, or 499 as MATH electives.

A maximum of three (3) credits from the following courses may be counted toward Mathematics electives:
MATH 365 Math Seminar *(may be taken for credit only once)*
MATH 390 Directed Reading
MATH 490 Directed Reading
MATH 497 Mathematics Internship