## 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

## 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 |

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)** |
| :--- |
| Philosophy of Human Nature |

PHIL 201 Philosophy of Human Nature
3
Year 3: Caring \& Doing


| Dept. 432 | 3 | $\square$ |
| :--- | :--- | :--- | :--- |

NOTE: some courses have pre-requisites, check the catalog carefully!
BROADENING COURSES - see approved list**
Social \& Behavioral Science Credits Sem/Yr

Literature
Fine Arts \& Design

REQUIRED COURSE DESIGNATIONS - see approved list**
*Writing Enriched Credits Sem/Yr

| Social Justice | $\mathbf{9}$ total $\square$ |
| :--- | :---: |
| *Global Studies | $\mathbf{3}$ total $\square$ |

[^0]
## 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

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

Any 400-Level Mathematics course:
3 Credits
(does NOT include MATH 432)
Course Course Title Credits Grade
MATH 3

Mathematics Electives: 6 Credits
Course Course Title Credits Grade
MATH
MATH

| 3 | $\square$ |
| :--- | :--- |
|  |  |

## Minimum of 6 credits from the following*:

* One of these courses may be replaced by MATH 260

Cannot double count with a course used above.
MATH 321 Statistics for Experimentalists
MATH 328 Operations research
MATH 341 Modern Geometry
MATH 350 Elementary Numerical Analysis
MATH 351 Combinatorics \& Graph Theory
MATH 360-363 Selected Topics
MATH 413 Real Analysis I
MATH 414 Real Analysis II
MATH 417 Complex Variables
MATH 421 Probability Theory
MATH 422 Mathematical Statistics
MATH 437 Abstract Algebra I
MATH 438 Abstract Algebra II
MATH 450-453 Selected Topics
MATH 454 Partial Differential Equations
MATH 457 Number Theory \& Cryptography
MATH 459 Topology
MATH 490 Directed Reading
MATH 497 Mathematics Internship


[^0]:    **for list of approved RELI, Broadening \& Designated courses, see :
    https://my.gonzaga.edu/academics/undergraduate-programs/general-degree-requirements-procedures/university-core

