## 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/lanquage-requirement-information

Credits Sem/Yr

## UNIVERSITY CORE REQUIREMENTS:

## FUNDAMENTAL CORE COURSES

Year 1: Understanding \& Creating
Writing
ENGL 101 Writing
(fulfills 3 credits Writing Enriched)*
Reasoning
PHIL 101 Reasoning $\qquad$
First Year Seminar

| Dept. 193 |
| :--- | :--- |
| Communication \& Speech |



Year 2: Being \& Becoming
Christianity \& Catholic Traditions
RELI (see approved list)**
Philosophy of Human Nature
PHIL 201 Philosophy of Human Nature
Year 3: Caring \& Doing
World/Comparative Religion
Credits Sem/Yr


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

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

## B.S. PHYSICS:

54 CREDITS

| LOWER DIVISION | 34 Credits |  |
| :---: | :---: | :---: |
| Course Course Title | Credit | ts Grade |
| PHYS 103 Scientific Physics I | 4 |  |
| PHYS 103L Scientific Physics I Lab | 1 |  |
| PHYS 204 Scientific Physics II | 4 |  |
| PHYS 204L Scientific Physics II Lab | 1 |  |
| PHYS 205 Modern Physics | 3 |  |
| PHYS 208 Computational Physics | 2 |  |
| PHYS 210 Introduction to Linear Electronics | 2 |  |
| PHYS 217 Modern Physics Lab | 2 |  |
| CHEM 101 General Chemistry | 3 |  |
| CHEM 101L General Chemistry Lab | 1 |  |
| CPSC 121 Computer Science I | 3 |  |
| MATH 157 Calculus \& Analytical Geometry I | 4 |  |
| MATH 258 Calculus \& Analytical Geometry II | 4 |  |
| UPPER DIVISION | 20 Credits |  |
| Course Course Title | Credits Grade |  |
| PHYS 300 Mathematical Methods | 3 |  |
| PHYS 301 Intermediate Mechanics | 3 |  |
| PHYS 306 Electricity \& Magnetism | 3 |  |
| PHYS 310 Intermediate Laboratory | 2 |  |
| PHYS 464 Introduction to Quantum Physics | 3 |  |
| Two of the following courses: | 6 Credits |  |
| Course Course Title | Credits Grade |  |
| PHYS 307 Optics | 3 |  |
| PHYS 402 Advanced Mechanics | 3 |  |
| PHYS 407 Electricity \& Magnetism II | 3 |  |
| PHYS 409 Nuclear \& Particle Physics | 3 |  |
| PHYS 415 Cosmology \& Astrophysics | 3 |  |
| PHYS 450 Statistical Physics | 3 |  |

Physics Majors are also encouraged to take:

## Course Course Title

MATH 259 Calculus/Analytical Geometry III
MATH 260 Ordinary Differential Equations
MATH 339 Linear Algebra
Credits Grade
and additional CPSC (Computer Science) courses.

