# Degree Worksheet for the College of Arts and Sciences: 2019-2020 B.S. APPLIED MATHEMATICS <br> <br> COLLEGE of ARTS \& SCIENCES <br> <br> COLLEGE of ARTS \& SCIENCES Language Requirement 

 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
ENGL 101 Writing
(fulfills 3 credits Writing Enriched)*
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) $\mathbf{3} \square$ 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)* $\mathbf{3} \square$ Ethics
PHIL 301 Ethics or RELI 330 Principles-Christian Morality 3
Year 4: Imagining the Possible
Core Integration Seminar
Credits Sem/Yr
Dept. 432
$3 \square$
NOTE: some courses have pre-requisites, check the catalog carefully!

| BROADENING COURSES - see approved list** |  |
| :--- | ---: |
| Social \& Behavioral Science | Credits Sem/vr |
| Literature | $\mathbf{3}$ |
| History | $\mathbf{3} \square$ |
| Fine Arts \& Design | $\mathbf{3} \square$ |

REQUIRED COURSE DESIGNATIONS - see approved list**
*Writing Enriched
Credits Sem/Yr 9 total

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


| Two of the following three courses: | 8 Credits |  |  |
| :--- | :--- | :--- | :---: |
| BIOL 105/105L Info Flow-Biological System/Lab | 4 |  |  |
| CHEM 101/101L General Chemistry/Lab | 4 |  |  |
| PHYS 103 Scientific Physics I | 4 |  |  |
|  |  |  |  |
| One of the following four courses: | $3-5$ |  |  |
| BIOL 106 Energy Flow-Biological Systems | 3 |  |  |
| CHEM 205 Inorganic Chemistry | 3 |  |  |
| CHEM 230/230L Organic Chemistry I/Lab | 5 |  |  |
| PHYS 204 Scientific Physics II | 4 |  |  |

