

# Degree Worksheet for the College of Arts and Sciences: 2023-2024

## B.S. ENVIRONMENTAL SCIENCE

### 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

|   |                |
|---|----------------|
| 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              |
| Scientific Inquiry (2cr + 1cr lab)                      |                |
| 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)**          | 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)* | 3              |
| 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              |

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

#### BROADENING COURSES - see approved list\*\*

|                             |                |
|-----------------------------|----------------|
| Social & Behavioral Science | Credits Sem/Yr |
|                             | 3              |
| Literature                  |                |
|                             | 3              |
| History                     |                |
|                             | 3              |
| Fine Arts & Design          |                |
|                             | 3              |

#### REQUIRED COURSE DESIGNATIONS - see approved list\*\*

|                   |                |
|-------------------|----------------|
| *Writing Enriched | Credits Sem/Yr |
|                   | 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. ENVIRONMENTAL SCIENCE: 63-64 CREDITS

#### LOWER DIVISION

33-34 Credits

| Course    | Course Title                          | Credits | Grade |
|-----------|---------------------------------------|---------|-------|
| ENVS 101  | Introduction to Environmental Studies | 3       |       |
| ENVS 102  | Environmental Politics & Policy       | 3       |       |
| ENVS 103  | Environmental Biology                 | 3       |       |
| ENVS 103L | Environmental Biology Lab             | 1       |       |
| CHEM 101  | General Chemistry                     | 3       |       |
| CHEM 101L | General Chemistry Lab                 | 1       |       |
| ENVS 110  | Earth Systems                         | 3       |       |
| ENVS 110  | Earth Systems Lab                     | 1       |       |
| ENVS 202  | Applied Environmental Chemistry       | 3       |       |
| ENVS 202L | Applied Environmental Chemistry Lab   | 1       |       |
| MATH 221  | Applied Statistics                    | 3       |       |

#### One of the following:

3-4 Credits

|          |                    |   |  |
|----------|--------------------|---|--|
| MATH 148 | Survey of Calculus | 3 |  |
| MATH 157 | Calculus           | 4 |  |

#### One of the following course & lab sets:

5 Credits

|           |                       |   |  |
|-----------|-----------------------|---|--|
| PHYS 111  | General Physics I     | 4 |  |
| PHYS 111L | General Physics I Lab | 1 |  |

#### OR

|           |               |   |  |
|-----------|---------------|---|--|
| PHYS 121  | Physics I     | 4 |  |
| PHYS 121L | Physics I Lab | 1 |  |

#### UPPER DIVISION

31 Credits

| Course    | Course Title                          | Credits | Grade |
|-----------|---------------------------------------|---------|-------|
| ENVS 320  | Economics of Environmental Protection | 3       |       |
| ENVS 341  | Environmental Science Seminar         | 1       |       |
| ENVS 358  | Environmental Ethics                  | 3       |       |
| ENVS 384  | GIS & Ecology Techniques              | 3       |       |
| ENVS 384L | GIS & Ecology Techniques Lab          | 1       |       |
| ENVS 497  | Internship*                           | 1       |       |
| ENVS 499A | Symposium in Environmental Studies I  | 1       |       |
| ENVS 499B | Symposium in Environmental Studies II | 2       |       |

#### Technical Electives: (ENVS 400-440, 490)

12 Credits

|      |  |
|------|--|
| ENVS |  |
| ENVS |  |
| ENVS |  |

#### General Electives: (ENVS 300-440, 490)

3 Credits

|      |  |
|------|--|
| ENVS |  |
| ENVS |  |

\* Only one (1) credit of ENVS 497 Internship can be counted toward the Major. Students may take up to 4 credits of ENVS 497. Any remaining credits may be applied to student's total degree requirement of 128 credits.