# B.S. BIOCHEMISTRY (ACS): 72 CREDITS

## MAJOR LOWER DIVISION

<table>
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## UNIVERSITY CORE REQUIREMENTS:

### FUNDAMENTAL CORE COURSES

#### Writing
- ENGL 101 Writing (fulfills 3 credits Writing Enriched)* 3

#### Reasoning
- PHIL 101 Reasoning 3

#### First Year Seminar
- 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
- RELI (see approved list)** 3

#### Philosophy of Human Nature
- PHIL 201 Philosophy of Human Nature 3

### Year 3: Caring & Doing

#### 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

#### Core Integration Seminar
- 492 3

### MAJOR UPPER DIVISION

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### Special Topics in Chemistry or Biochemistry

#### CHEM 405-435 (Block 1)

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#### CHEM 455-480 (Block 2)

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#### CHEM 405-435 and 455-480 (elective Block)

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

- 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](https://my.gonzaga.edu/academics/undergraduate-programs/general-degree-requirements-procedures/university-core)
## Sample Yearly Progression

### Freshman

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### Spring

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Total Credits: 15

### Sophomore

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### Spring

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Total Credits: 18

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### Spring

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Total Credits: 15

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### Spring

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Total Credits: 15

### Notes:

1. Students must take the First Year Seminar (DEPT 193) in their first year, and they are encouraged to take COMM 100, PHIL 101, and ENGL 101 in their first year.
2. Students are encouraged to complete the 2nd year Core courses in their second year.
3. Students are encouraged to complete the 3rd year Core courses in their third year.
4. Students are encouraged to complete the Core Integration Seminar (DEPT 492) in their fourth year.
5. Students must complete one Advanced Topic (CHEM 399) course, one Special Topic-Block 1 (CHEM 405-435) course, and one Special Topic-Block 2 (CHEM 455-480) course, as well as two more Special Topic Courses from either Block 1 or Block 2.
6. Students are required to present their thesis work at the departmental poster session.