

# College of Arts and Sciences 2024-2025 Degree Worksheet

## B.A. CHEMISTRY

### 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

	Credits	Sem/Yr
	3	[ ]

### 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.A. CHEMISTRY:

**57-58 CREDITS**

#### LOWER DIVISION

**35 Credits**

		25 Credits	
Course	Course Title	Credits	Grade
CHEM 101	General Chemistry	3	[ ]
CHEM 101L	General Chemistry Lab	1	[ ]
CHEM 102	General Chemistry II	3	[ ]
CHEM 102L	General Chemistry II Lab	1	[ ]
CHEM 230	Organic Chemistry I	3	[ ]
CHEM 230L	Organic Chemistry I Lab	1	[ ]
CHEM 231	Organic Chemistry II	3	[ ]
CHEM 231L	Organic Chemistry II Lab	1	[ ]
CHEM 285	Intro to the Chemical Sciences	1	[ ]
MATH 157	Calculus-Analytic Geometry I	4	[ ]
MATH 258	Calculus-Analytic Geometry II	4	[ ]

#### One of the following sets of courses and labs:

		10 Credits	
Course	Course Title	Credits	Grade
PHYS 111/111L	General Physics I + Lab	5	[ ]
PHYS 112/112L	General Physics II + Lab	5	[ ]
<b>OR</b>			
PHYS 121/121L	Scientific Physics I + Lab	5	[ ]
PHYS 122/122L	Scientific Physics II + Lab	5	[ ]

#### UPPER DIVISION

**22-23 Credits**

		18 Credits	
Course	Course Title	Credits	Grade
CHEM 305	Inorganic Chemistry	3	[ ]
CHEM 307	Biochemistry I	3	[ ]
CHEM 307L	Biochemistry I Lab	1	[ ]
CHEM 310	Analytical Chemistry	3	[ ]
CHEM 310L	Analytical Chemistry Lab	2	[ ]
CHEM 356	Thermodynamics & Kinetics	3	[ ]
CHEM 356L	Thermodynamics & Kinetics Lab	1	[ ]
CHEM 485	Seminar	1	[ ]
CHEM 488	Senior Literature Review	1	[ ]

#### One course from CHEM 405-480

**2 Credits**

Course	Course Title	Credits	Grade
CHEM		[ ]	[ ]

#### One Elective from the following

**2-3 Credits**

Course	Course Title	Credits	Grade
CHEM 308	Biochemistry II	3	[ ]
CHEM 2	credits from CHEM 405-480	2	[ ]
PHYS 300 & above	approved Special Topics	3	[ ]