

# CHEMISTRY Major

Student: \_\_\_\_\_

Minor? Additional Goals (Minor, Study abroad, minor, pre-professional...) \_\_\_\_\_

Fall			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 125	NW	Truth (E)	4
INTG 100			4
LANG			4
CHEM 201	NW		1
INTG 105			1

Spring			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 250			4
XXXX XXX	CI		4
LANG			4
CHEM 202			1

Fall			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 251			4
THEO 1XX	TE		4
PHYS 105/191	QR	Mvmt (E)	4
LANG			4
CHEM 203		Mvmt (E)	1

Spring			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 255	QR		4
PHYS 106/200	NW	Truth (E)	4
MATH 119	AS	Mvmt (E)	4
CHEM 205			1
CHEM 349			1

Fall			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 315	NW	Mvmt (E)	4
XXXX XXX	SW		4
XXXX XXX	CS		4
CHEM 304			1
CHEM 3XX			2

Spring			
Dept & Course #	WOT	Theme (E/F)	Cr.
CHEM 3XX			2
CHEM 3XX			2
XXXX XXX	TI		4
XXXX XXX	BN		4
CHEM 306			1

Fall			
Dept & Course #	WOT	Theme (E/F)	Cr.
XXXX XXX	AE		4
XXXX XXX	HE		4
XXXX XXX		Focus	4
CHEM 3XX			2
CHEM 3XX			2

Spring			
Dept & Course #	WOT	Theme (E/F)	Cr.
INTG 300			4
CHEM 360	EX		2
CHEM XXX			0
XXXX XXX	GL		4
CHEM 3XX			2

## Integrations Curriculum:

### Foundational Courses:

- \_\_\_ College Success (INTG 105)
- \_\_\_ Learning Foundations INTG 100 (LF)
- \_\_\_ Culture & Social Difference: Identity (CI)
- \_\_\_ Theological Explorations (TE)

### Ways of Thinking:

- \_\_\_ Abstract Structures (AS)
- \_\_\_ Artistic Expression (AE)
- \_\_\_ Human Experience (HE)
- \_\_\_ Natural World (NW)
- \_\_\_ Social World (SW)

### Additional:

- \_\_\_ Artistic Engagement (AR)
- \_\_\_ Quantitative Reasoning (QR)
- \_\_\_ Experiential Engagement (EX)
- \_\_\_ Global Engagement (GL)\*\*
- \_\_\_ Benedictine (BN)\*\*

\*\* GL and BN waived for students entering AY2020 & AY2021

### Upper-Level Coursework

- \_\_\_ Theological Integrations (TI)
- \_\_\_ Cultural & Social Difference: Systems (CS)
- \_\_\_ Learning Integrations – INTG 300 (LI)

### Global Language

- \_\_\_ 111 Beginning I
- \_\_\_ 112 Beginning II
- \_\_\_ 211 Intermediate

### Themes (One theme, at least two depts)

- \_\_\_ Thematic Encounter
- \_\_\_ Thematic Encounter
- \_\_\_ Thematic Focus

### General Requirements:

- \_\_\_ 124 Total credits
- \_\_\_ 40 upper division credits
- \_\_\_ Cumulative GPA > 2.0
- \_\_\_ Major GPA > 2.0

Integrations notes on next page

## CHEM Major Requirements:

### Foundational Courses:

- \_\_\_ CHEM 125 (4): Intro Chem St/Prop
- \_\_\_ CHEM 250 (4): Reactivity 1
- \_\_\_ CHEM 251 (4): Reactivity 2
- \_\_\_ CHEM 255 (4): Macro Chem Analysis
- \_\_\_ CHEM 315 (4): Advanced Reactivity

### Labs:

- \_\_\_ CHEM 201 (0,1): Purif/Struct
- \_\_\_ CHEM 202 (0,1): Purif/Chrom
- \_\_\_ CHEM 203 (0,1): Synthesis
- \_\_\_ CHEM 205 (0,1): Measurement
- \_\_\_ CHEM 304 (1): Method D&V
- \_\_\_ CHEM 306 (1): Advanced Lab

### Upper-level Courses:

- \_\_\_ 12 credits of any 300 level In-depth course

### Additional Chem:

- \_\_\_ CHEM 349 (0, 1: Sp)
- \_\_\_ CHEM XXX (0: Sp Sr Yr)
- \_\_\_ CHEM 360 (2, Sp): Capstone

### Supporting Courses:

- \_\_\_ MATH 119 (4): Calc I
- \_\_\_ PHYS 105 (4)
- \_\_\_ PHYS 106 (4)

### ACS Concentration:

- \_\_\_ MATH 120 (4)
- \_\_\_ CHEM 330 (2)
- \_\_\_ CHEM 306 (1)
- \_\_\_ CHEM 318 (4, Sp), AS, Truth (E)

**In Depth Course Offerings (subject to change):**

<b>Fall 2022</b>			
<b>CHEM</b>	<b>Course Name</b>	<b>Conc.</b>	<b>Prerequisites</b>
347 <sup>a</sup>	Chemical Biology	BCHM, CB	CHEM 251
322A	Forensics	CB	Pre-req: 250, Co-Req: 255, 205

<b>Spring 2023</b>			
<b>CHEM</b>	<b>Course Name</b>	<b>Conc.</b>	<b>Prerequisites</b>
322B	Analysis of Food Products	IM, EN	CHEM 202, 250
353 <sup>a</sup>	Xenobiotic Metabolism	CB, BCHM	CHEM 315
364	Medicinal Chemistry	CB	CHEM 315

<sup>a</sup>: Courses count as electives towards BCHM major