

**BIOCHEMISTRY MAJOR - 4 YEAR PLAN**

**YEAR 1**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 20A (GE)	4	Chem 20B (GE)	4	Chem 30A	4			
Math 31A (QR)	4	Chem 20L	3	GE	5			
EngComp 2 (ELWR)	5	Math 31B	4	Math 32A	4			
		EngComp 3 (Writing I)	5	Writing II/GE	5			
<b>Total Units</b>	13		16		18		0	47

**YEAR 2**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 30B	4	Chem 30BL	3	Chem 30C	4			
LS 7A (GE)	5	LS 7B	5	LS 7C + 23L	7			
Phys 5A	5	Phys 5B	5	Phys 5C	5			
Chem 30AL	4							
<b>Total Units</b>	18		13		16		0	47

**YEAR 3**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 153A	4	Chem 110A	4	Chem 153B	4			
UD Major	4	UD Major	4	UD Major	4			
For. Lang.	4	For. Lang.	4	For. Lang.	4			
UD elect/diversity	4	GE	5					
<b>Total Units</b>	16		17		12		0	45

**YEAR 4**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 153C	4	Chem 154	4	Chem 156	4			
Chem 153L	4	UD Major	4	UD GE	5			
GE	5	UD elective	4	UD elective	4			
UD elective	4	GE	5					
<b>Total Units</b>	17		17		13		0	47

**Total Units 186**

**NOTES**

- This is a sample program plan. ***Your program plan will differ*** depending on previous credit received, your course schedule, and available offerings.
- Students are strongly advised to work with an academic advisor to determine a personal program plan.
- Students may be able to reduce their course loads if they take summer classes or have credit for courses taken prior to matriculation.
- Students may choose to complete a GE Cluster to satisfy 5 requirements (4 GEs and Writing II) with 3 classes. GE Clusters also carry Honors credit.

**BIOCHEMISTRY MAJOR - 3 YEAR PLAN**

**YEAR 1**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Math 31A (QR)	4	Chem 20B (GE)	4	Chem 30A	4	Chem 30B	4	
Chem 20A (GE)	4	Chem 20L (GE)	3	LS 7A (GE)	4	Phys 5A	5	
EngComp 2 (ELWR)	5	Math 31B	4	Math 32A	4	GE	5	
GE	5	EngComp 3 (Writing I)	5	Writing II/GE	5			
<b>Total Units</b>	18		16		17		14	65

**YEAR 2**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 30AL	4	LS 7C	5	Phys 5C	5	UD Major	4	
LS 7B	5	LS 23L	2	Foreign Lang.	4	GE	5	
Foreign Lang.	4	Foreign Lang.	4	Chem 153A	4	Chem 153B	4	
Phys 5B	5	GE	5	UD Major	4			
		Chem 30C	4					
<b>Total Units</b>	18		20		17		13	68

**YEAR 3**

FALL		WINTER		SPRING		SUMMER		Total units
Course	Units	Course	Units	Course	Units	Course	Units	
Chem 110A	4	UD major	4	Chem 156	4	GE	4	
Chem 153C	4	UD Major	4	UD GE	5			
Chem 30BL	3	Chem 153L	5	Chem 154	4			
UD elect/Diversity	4	UD elective	4	UD elective	4			
<b>Total Units</b>	15		17		17		4	53

**Total Units      186**

**NOTES**

- This is a sample program plan. ***Your program plan will differ*** depending on previous credit received, your course schedule, and available offerings.
- Students are strongly advised to work with an academic counselor to determine a personal program plan.
- Students may be able to reduce their course loads if they take summer classes or have credit for courses taken prior to matriculation.
- Students may choose to complete a GE Cluster to satisfy 5 requirements (4 GEs and Writing II) with 3 classes. GE Clusters also carry Honors credit.

## REQUIRED COURSES

University Requirements	American History & Institutions Entry Level Writing Requirement
College Requirements	General Education (10 courses) Writing I Writing II Quantitative Reasoning Foreign Language (proficiency level 3) Diversity Electives (to reach minimum 180 units required for degree) Upper division electives (to reach minimum 60 units required, including major courses)
Prep for Major Requirements (recommended series in <b>bold</b> )	Math 31A, 31B, and 32A (33A strongly recommended) LS 7A, 7B, 7C, and 23L Chem 20A (or 20AH), 20B (or 20BH), 20L, 30A, 30AL, 30B, 30BL, 30C <b>Physics 5A, 5B, and 5C; or</b> Physics 1A, 1B, 1C, 4AL, and 4BL
Major requirements*	Chem 110A, 153A, 153B, 153C, 153L, 154, and 156 1 upper division or graduate course in Chemistry 3 upper division electives approved by department
NOTES	* consult department or General Catalog for requirements and courses.