

## BIOCHEMISTRY - 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 counselor to determine a personal program plan.
- Students who receive credit for courses taken prior to matriculation may be able to reduce their courseload or avoid taking summer classes if they have enough elective units to graduate.
- 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 - 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 who receive credit for courses taken prior to matriculation may be able to reduce their courseload or avoid taking summer classes if they have enough elective units to graduate.
- Students may choose to complete a GE Cluster to satisfy 5 requirements (4 GE's and Writing II) with 3 classes. GE Clusters also carry Honors credit.

## REQUIRED COURSES

University Requirements	<ul style="list-style-type: none"> <li>• American History &amp; Institutions</li> <li>• Entry Level Writing Requirement</li> </ul>
College Requirements*	<ul style="list-style-type: none"> <li>• General Education (9 or 10 courses; consult General Catalog for specific requirements)</li> <li>• Writing I</li> <li>• Writing II</li> <li>• Quantitative Reasoning</li> <li>• Foreign Language (proficiency level 3)</li> <li>• Diversity</li> <li>• Electives (to reach minimum 180 units required for degree)</li> <li>• Upper division electives (60 units required, including major courses)</li> </ul>
Prep for Major Requirements (recommended series in <b>bold</b> )	<ul style="list-style-type: none"> <li>• Math 31A, 31B, and 32A (33A strongly recommended)</li> <li>• LS 7A, 7B, 7C, and 23L</li> <li>• Chem 20A (or 20AH), 20B (or 20BH), 20L, 30A, 30AL, 30B, 30BL, 30C</li> <li>• <b>Physics 5A, 5B, and 5C</b>; or Physics 1A, 1B, 1C, 4AL, and 4BL</li> </ul>
Major requirements**	<ul style="list-style-type: none"> <li>• Chem 110A, 153A, 153B, 153C, 153L, 154, and 156</li> <li>• 1 upper division or graduate course in Chemistry</li> <li>• 3 upper division electives approved by department</li> </ul>
NOTES	<ul style="list-style-type: none"> <li>* consult your College or School advising unit for requirements and regulations.</li> <li>**consult department or General Catalog for requirements and courses.</li> </ul>