

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. Students will work with their Academic Advisor to develop a more individualized plan to complete their degree.

This recommended Four-Year Plan is applicable to students admitted during the 2019-2020 academic year.

Total Credits Required: 120 credits

Required GPA for Graduation: 2.0 (overall and in the hours used to satisfy Area F and the major)

Legend is available on the last page of this document.

Year 1									
Fall				Spring				Summer	
Course	Title	Hours	Area	Course	Title	Hours	Area	Summer is a good time to get ahead on courses. Several core courses are offered online over the summer.	
CHEM 0001	First Year Academic Seminar	1		MATH 1261	Calculus I	4	D/F	<b>Notes</b>	
CHEM 1311	Principles of Chemistry for Majors I*	3	F	CHEM 1312	Principles of Chemistry for Majors II**	3	F		
CHEM 1311L	Principles of Chemistry for Majors I Lab*	1	F	CHEM 1312L	Principles of Chemistry for Majors II Lab**	1	F		
BIOL 1108	Principles of Biology II	3	F	ENGL 1102	English Composition II	3	A		
BIOL 1108L	Principles of Biology II Lab	1	F	BIOL 1107	Principles of Biology I	3	D		
ENGL 1101	English Composition I	3	A	BIOL 1107L	Principles of Biology I Lab	1	D		
GC1Y 1000	Critical Thinking	3	B						
<b>Total</b>		<b>15</b>		<b>Total</b>		<b>15</b>			

**Area A and GC1Y 1000 must be completed by 30 earned hours. CHEM 0001 does not count toward the 120 credit hour graduation requirement.**

Year 2										
Fall				Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area			
CHEM 2920	Chemistry Seminar*	1	Major	CHEM 3362	Organic Chemistry II	3	Major	<b>Notes</b>		
CHEM 3361	Organic Chemistry I	3	Major	CHEM 3362L	Organic Chemistry II Lab	1	Major			
CHEM 3361L	Organic Chemistry I Lab	1	Major	PHYS 2212	Principles of Physics II	3	F			
MATH 1262	Calculus II	4	F	PHYS 2212L	Principles of Physics II Lab	1	F			
PHYS 2211	Principles of Physics I	3	D/F	GC2Y 2000	Global Perspectives	4	B			
PHYS 2211L	Principles of Physics I Lab	1	D/F	Elective	Any 1000-4000 level electives	2	Elective			
Core Choice	Area C1: Humanities & Ethics	3	C							
<b>Total</b>		<b>16</b>		<b>Total</b>		<b>14</b>				
Apply for REU's, a Study Abroad experience, or an Internship in the Fall. GC2Y 2000 must be completed by 60 earned hours. *Only offered in the Fall **Only offered in the Spring										
Year 3										
Fall				Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area			
CHEM 3920	Chemistry Seminar I*	1	Major	CHEM 3600L	Structural Chemistry**	2	Major	<b>Notes</b>		
CHEM 3010	Inorganic Chemistry*	3	Major	CHEM 3712	Biochemistry II**	3	Major	<b>Lab I Options:</b> CHEM 3010L, CHEM 4211L, 4212L  <b>Note:</b> Students must pass CHEM 4211L or CHEM 4212L in order to graduate. Students must take two courses from this list.		
CHEM 3711	Biochemistry I*	3	Major	CHEM 3712L	Biochemistry II Lab**	1	Major			
CHEM 3711L	Biochemistry I Lab*	1	Major	CHEM 4212	Physical Chemistry II**	3	Major			
CHEM 4211	Physical Chemistry I*	3	Major	BIOL 2100	Genetics	4	Major			
Lab I	Upper Level Lab I	1	Major	Core Choice	Area E: Social Science Course 1	3	E			
Core Choice	Area C2: Fine Arts	3	C							
<b>Total</b>		<b>15</b>		<b>Total</b>		<b>16</b>				
Apply for REU's, a Study Abroad experience, or an Internship in the Fall. *Only offered in the Fall **Only offered in the Spring										

Year 4										
Fall				Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area			
CHEM 4999	Research	3	Major	CHEM 4920	Chemistry Seminar II**	1	Major	<b>Notes</b>  <b>Lab I Options:</b> CHEM 3200L, CHEM 4211L, CHEM 4212L <b>Note:</b> <i>Students must pass CHEM 4211L or CHEM 4212L in order to graduate. Students must take two courses from this list.</i>  <b>Biology Electives:</b> <b>BIOL:</b> 3200, 4150, 4160, 4180, 4235		
CHEM 4300	Advanced Biochemistry*	3	Major	CHEM 3200	Instrumental Analysis**	3	Major			
CHEM 2800	Quantitative Analysis	3	F	BIOL Elective	Biology Elective II	3	Major			
CHEM 2800L	Quantitative Analysis Lab	1	F	Lab I	Upper Level Lab I	1	Major			
BIOL Elective	Biology Elective I	3	Major	Foreign Lang.	FORL 1002	3	Major			
Core Choice	Area E: Social Science Course 2	3	C	Core Choice	Area E: Social Science Course 3	3	E			
<b>Total</b>		<b>16</b>		<b>Total</b>		<b>14</b>				

Visit graduate schools or apply for jobs during this year. \*Only offered in the Fall \*\*Only offered in the Spring

**Legend**

**Area**      **This section of the plan references the area of the curriculum the course fulfills.**  
 A=Core Area A: Communication and Quantitative Skills  
 B=Core Area B: Institutional Options  
 C=Core Area C: Humanities and Fine Arts  
 D=Core Area D: Science, Technology, and Math  
 E=Core Area E: Social Sciences  
 F=Core Area F: Major Directed Core  
 Major=Major Required Course  
 Elective=a course a student chooses to help meet overall graduation hours.