

Requirements for Major						
Course Prefix	Course Number	Major Requirements (<i>Pre-Requisite</i>)	Liberal Studies	Req. Hours	Semester Taught	Earned Hours
CHEM	123	General Chemistry I		4	Every Fall	
CHEM	124	General Chemistry II (<i>General Chemistry I</i>)		4	Every Spring	
CHEM	221	Quantitative Analysis (<i>General Chemistry II</i>)		4	Even Year Spring	
CHEM	300	Organic Chemistry I (<i>General Chemistry II</i>)		4	Every Fall	
CHEM	310	Organic Laboratory Techniques (<i>General Chemistry II</i>)		2	Every Fall	
CHEM	311	Laboratory Safety and Maintenance (<i>General Chemistry II</i>)		2	Even Year Spring	
CHEM	320	Organic Chemistry II (<i>Organic Chemistry I</i>)		4	Every Spring	
CHEM	330	Organic Synthesis and Spectroscopy (<i>Organic Chemistry I</i>)		2	Every Spring	
CHEM	323	Inorganic Chemistry (<i>General Chemistry II</i>)		3	Odd Spring	
CHEM	427	Physical Chemistry I (<i>Calculus I</i>)		4	Odd Fall	
MATH	145	Calculus I	Y (QR)	4	Every Fall	
PHYS	221	General Physics I (<i>Calculus I</i>)	Y (QR)	5	Every Fall	
PHYS	222	General Physics II (<i>University Physics I</i>)		5	Every Spring	
CHEM	410	Biochemistry I (<i>Organic Chemistry I</i>)		3	Odd Fall	
CHEM	420	Biochemistry II (<i>Biochemistry I</i>)		3	Even Spring	
		Chose one of the following Capstone Experiences				
CHEM	499	Research Project		2-4	Every Spring	
CHEM	460	Internship		Variable (2-4)	(On Demand)	
EDCU	470	Clinical Practice (for secondary education majors only)*		10	Fall or Spring	
Total Major Hours:					55-65	

DEGREE REQUIREMENTS			
BACHELOR OF ARTS:			
	Foundational Courses:	9	
	Liberal Studies:	24-28	
	Major	55-65	

ELECTIVES:		18-32	
TOTAL GRADUATION HOURS:	120	120	

SUGGESTED SEQUENCE
Major: Chemistry Even Year

E FALL OF YEAR ONE			O SPRING OF YEAR ONE		
Prefix and Number	Course Title	Credit Hours			
CHEM123	General Chemistry I	4	CHEM124	General Chemistry II	4
ENGL120	Introductory English Composition	3		Writing intensive course (ENGL121)	3
INTD105	Wesleyan Experience	2		Liberal studies /elective (MATH121)	3
INTD115	Wesleyan Heritage	1		Liberal studies /elective	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Liberal studies /elective	3			
	Total	16		Total	16

O FALL OF YEAR TWO			E SPRING OF YEAR TWO		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
CHEM300	Organic Chemistry I	4	CHEM320	Organic Chemistry II	4
CHEM310	Organic Laboratory Techniques	2	CHEM330	Organic Synthesis and Spectroscopy	2
MATH145	Calculus I	4	CHEM223	Quantitative Analysis	4
CHEM 410	Biochemistry I	3	CHEM 420	Biochemistry II	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Total	16		Total	16

E FALL OF YEAR THREE			O SPRING OF YEAR THREE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
PHYS221	General Physics I	5	PHYS222	General Physics II	5
Liberal studies /elective	3	Liberal studies /elective	Liberal studies /elective	3	Liberal studies /elective

CHEM311	Laboratory Safety and Maintenance	2		CHEM323	Inorganic Chemistry	3	
	Liberal studies /elective	3			Liberal studies /elective	3	
	Liberal studies /elective	3			Liberal studies /elective	3	
		Total	17			Total	17

O FALL OF YEAR FOUR			E SPRING OF YEAR FOUR			
CHEM427	Physical Chemistry	4		Capstone Experience	2-10	
	Liberal studies /elective	3		Liberal studies /elective	3	
	Liberal studies /elective	3		Liberal studies /elective	3	
	Liberal studies /elective	3		Liberal studies /elective	3	
	Liberal studies /elective	3		Liberal studies /elective	3	
		Total	16		Total	10-16

SUGGESTED SEQUENCE ODD YEAR ENTRANCE**Major: CHEMISTRY**

(ODD YEAR) FALL OF YEAR ONE			(EVEN YEAR) SPRING OF YEAR ONE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
CHEM123	General Chemistry I	4	CHEM124	General Chemistry II	4
ENGL120	Introductory English Composition	3		Writing intensive course	3
INTD105	Wesleyan Experience	2		Liberal studies /elective	3
INTD115	Wesleyan Heritage	1		Liberal studies /elective	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Liberal studies /elective	3			
	Total	16		Total	16

(EVEN YEAR) FALL OF YEAR TWO			(ODD YEAR) SPRING OF YEAR TWO		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
CHEM300	Organic Chemistry I	4	CHEM320	Organic Chemistry II	4
CHEM310	Organic Laboratory Techniques	2	CHEM330	Organic Synthesis and Spectroscopy	2
CHEM311	<i>Laboratory Safety and Maintenance</i>	2	CHEM323	Inorganic Chemistry	3
MATH145	Calculus I	4		Liberal studies /elective	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Total	15		Total	15

(ODD YEAR) FALL OF YEAR THREE			(EVEN YEAR) SPRING OF YEAR THREE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
CHEM427	<i>Physical Chemistry I</i>	4	CHEM223	Quantitative Analysis	4
PHYS221	General Physics I	5	PHYS222	General Physics II	5
CHEM 410	Biochemistry I	3	CHEM 420	Biochemistry II	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Total	15		Total	15

(EVEN YEAR) FALL OF YEAR FOUR			(ODD YEAR) SPRING OF YEAR FOUR		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
	Liberal studies /elective	3		Liberal studies /elective	3
	Liberal studies /elective	3		Capstone Experience	2-10
	Liberal studies /elective	3		Liberal studies /elective	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Liberal studies /elective	3		Liberal studies /elective	3
	Total	15		Total	10-16