

		I	H	A	Course Title	Min Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL	3			ENGL 1301 Rhetoric and Composition I		010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
		3			CHEM 1311 General Chemistry I		030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 2413, or MATH 2487 with a grade of "C" or higher."		
		1			CHEM 1111 General Chemistry I Lab		090	Credit/registration in CHEM 1301.		
		4			MATH 2413 Calculus I		020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
		3			X3XX-X3XX Social and Behavioral Sciences		080			
					UNIV 1301 Learning Framework					Only if required, based on ACT/SAT and high school rank.
		14	(0)		<b>Semester Total Hours</b>					
FIRST YEAR	SPRING	3			ENGL 1302 Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.		
		3			CHEM 1312 General Chemistry II		030	CHEM 1311.		
		1			CHEM 1112 General Chemistry II Lab		090	Credit/registration in CHEM 1312.		
		4			MATH 2414 Calculus II		020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3			HIST 1301 U.S. History I		060			
		14	(0)		<b>Semester Total Hours</b>					
SECOND YEAR	FALL	I	H	A	Course Title	Min Grade	GEC	Prerequisite	Additional Notes	
		3			CHEM 2323 Organic Chemistry I					
		1			CHEM 2123 Organic Chemistry I Lab				Credit/registration in CHEM 2323.	
		4			PHYS 1401 General Physics I		090	MATH 1414 or MATH 1314.	One hour Integrative & Experiential Learning	
		3			X3XX-X3XX Language, Philosophy & Culture		040			
		3			HIST 1302 U.S. History II		050			
		14	(0)		<b>Semester Total Hours</b>					
SECOND YEAR	SPRING	3			CHEM 2325 Organic Chemistry II					
		1			CHEM 2125 Organic Chemistry II Lab			CHEM 2123.		
		4			PHYS 1402 General Physics II		030	PHYS 1401.		
		3			X3XX-X3XX Integrative and Experiential Learning		090			
		3			X3XX-X3XX Creative Arts		050			
		14	(0)		<b>Semester Total Hours</b>					

**Symbols Key**

Critical (†): sequence sensitive course.

Minimum Grade: A - Excellent, B - Good, C - Satisfactory, D - Below Average, CR - Credit, P - Passing, S - Satisfactory

General Education Core (GEC) Sections: 010 - Communication, 020 - Mathematics, 030 - Life and Physical Sciences, 040 - Language, Philosophy & Culture, 050 - Creative Arts, 060 - American History, 070 - Government/Political Science, 080 - Social and Behavioral Sciences, 090 - Computer Application; 090 - Interdisciplinary, 090 - Science Labs, 090 - Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

	I	H	A	Course Title	Min Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	3	(3)	CHEM 3303 Biochemistry I			CHEM 2323.	
		1	(1)	CHEM 3103 Biochemistry I Lab			Credit/registration in CHEM 3303.	
		3		CHEM 2301 Analytical Chemistry				
		1		CHEM 2101 Analytical Chemistry Lab			CHEM 2301.	
		3		POLS 2301 U.S. & Texas Government & Politics I		070		
	4	(4)	34XX-44XX Free Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
	15	(8)	<b>Semester Total Hours</b>					
	SPRING	3	(3)	CHEM 3301 Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.	
		2	(2)	CHEM 3202 Inorganic Chemistry Lab			Credit/registration in CHEM 3301.	
		3	(3)	CHEM 4304 Instrumental Analysis			CHEM 2301 and CHEM 2101.	
1		(1)	CHEM 4104 Instrumental Analysis Lab			CHEM 4304.		
3			POLS 2302 U.S. & Texas Government & Politics II		070			
4	(4)	34XX-44XX Free Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR		
16	(13)	<b>Semester Total Hours</b>						
FOURTH YEAR	FALL	3	(3)	CHEM 3304 Physical Chemistry I			PHYS 1402; MATH 2413 (or MATH 2487) with a grade of 'C'	
		1	(1)	CHEM 3104 Physical Chemistry I Lab			Credit/registration in CHEM 3304.	
		1	(1)	CHEM 4101 Chemistry Seminar			Chemistry Major with senior standing or consent of instructor.	
		3	(3)	MATH 3341 Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade	
		1	(1)	CHEM 4105 Chemistry Capstone			Senior standing.	
	3	(3)	33XX-43XX Major Advanced Elective				CHEM	
	4	(4)	34XX-44XX Free Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
	16	(12)	<b>Semester Total Hours</b>					
	SPRING	3	(3)	CHEM 3305 Physical Chemistry II			CHEM 3304	
		1	(1)	CHEM 3105 Physical Chemistry II Lab			Credit/registration in CHEM 3305.	
2		(2)	CHEM 4201 Chemistry Problems I			Chemistry major with junior standing or consent of instructor.		
3		(3)	33XX-43XX Major Advanced Elective				CHEM	
3		(3)	33XX-43XX Free Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
2		12XX-42XX Free Elective						
3	(3)	33XX-43XX Free Advanced Elective						
17	(15)	<b>Semester Total Hours</b>						

**Graduation Requirements**

120 TOTAL HOURS  
 (48) TOTAL ADVANCED HOURS

Approved: *H. J. Moore* 10-20-15  
 Revised: Tuesday, October 13, 2015

