

Department	Chemistry & Biochemistry
Program	BS Chemistry, ACS Accredited, JN Honors Society
Bulletin	2022 - 2023
Revised	February 2022

 Major
 Cognate
 Gen Ed
 Elective, Minor



6-Chem ACS + Hons-OddFallStart

Freshperson (First) Year									
Fall Semester					Spring Semester				
Course	Title	Cred	M	C	GE	E	UD	L	
1	1 CHEM131	General Chemistry I	4	•					1
2	1 MATH191	Calculus I	4	•					
4	HC HONS115	Trans. the Self: Hons Comp	3		•				
3	HC HONS105	Western Heritage I	5		•				
5									
6									
7									
8									
2	STEM	SEMESTER TOTAL	16	4.0	4	8	0	0	1
1	labs								

Sophomore (Second) Year									
Fall Semester					Spring of ODD Year				
Course	Title	Cred	M	C	GE	E	UD	L	
1	1 CHEM231	Organic Chemistry I	3	•					1
2	1 CHEM241	Organic Chem Lab I	1	•					1
4	1 PHYS241	Phys for Sci I	4	•					1
3	1 PHYS271	Phys for Sci Lab I	1	•					1
5	1 CHEM330	Quant Chem Analysis	4	•					2
6	HC HONS215	Scripture [F,S]	3		•				
7	1 CHEM210	Chemical Topics	0	•					
8									
3	STEM	SEMESTER TOTAL	16	8.0	5	3	0	0	4
4	labs								

Junior (Third) Year									
Fall Semester					Spring of EVEN Year				
Course	Title	Cred	M	C	GE	E	UD	L	
1	1 CHEM431	Physical Chemistry I	3	•				◇	
2	1 CHEM441	Physical Chemistry I Lab	1	•				◇	1
4	1 CHEM210	Chemical Topics	0	•					2
3	HC HONS365	Cosmos [F]	3		•			◇	
5	█	Elective, Minor (Calc III?)	4		•				
6	HC HONS398	Research Pro-Sem [F,S]	1		•				
7	█	Elective, Minor	3		•				
8	PE FTESxxx	PE Activity #2	1		•				
1	STEM	SEMESTER TOTAL	16	4.0	0	5	7	7.0	1
1	labs								

Senior (Fourth) Year									
Fall Semester					Spring of ODD Year				
Course	Title	Cred	M	C	GE	E	UD	L	
4th 1	1 BCHM421	Biochem I	4	•				◇	
4th 2	1 CHEM474	Adv. Org. Chem.*	2	•				◇	1
4th 4	1 CHEM418	Chem & Biochem Seminar	2	•				◇	
4th 3	HC HONS415	Thinking Theologically [F,S]	3		•			◇	
4th 5	█	Elective, Minor	3		•				
4th 6	█	Elective, Minor	3		•				
4th 7	1 CHEM210	Chemical Topics	0	•					1
4th	*take CHEM474 (fall) -OR- CHEM 470 Mod. Syn. Tech. (spr); -OR- CHEM475 Adv. Phys. Chem (spr)								
2	STEM	SEMESTER TOTAL	17	8.0	0	3	6	11.0	0
0	labs								

Credit Breakdown			Honors SAGES Credits Breakdown		
Course-type Legend	Credit type	Chart	Code	Chart	AU Req't
Cred = Course Credit	Total Credits	125	HC	31	31
M = Major	Major	44.0	HE	6	6
C = Cognate	Cognate	21			
GE = General Ed	Gen End	39			
E = Elective	Electives, Minor, etc	21			
UD = Upper Div	UD	35			
		124			39
		44			31
		21			6
		39			2
		0			
		30			
			TOTAL	39	39

Legend: Reqt NOT Met; ✓ Reqt Met

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