






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


Major  ← toC  
Cognate   
Gen Ed   
Elective, Minor 

4-Biochem3 + Hons



Freshperson (First) Year									
Fall Semester					Spring Semester				
Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM131	General Chemistry I	4	•					1
2	HC HONS215	Scripture [F,S]	3		•				
4	HC HONS105	Western Heritage I	5			•			
3	HC HONS115	Trans. the Self: Hons Comp	3			•			
5									
6									
7	Foundations of Biology & Calculus sequences can be exchanged between 1st & 2nd year. Students may substitute ACE/GE courses from 2nd, 3rd, or 4th year in the first year if desired.								
8									
1	STEM	SEMESTER TOTAL	15	4.0	0	11	0	0	1
1	labs								
1	STEM	SEMESTER TOTAL	16	4.0	0	12	0	0	1
1	labs								

Sophomore (Second) Year									
Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM231	Organic Chemistry I	3	•					
2	CHEM241	Organic Chem Lab I	1	•				1	
4	1 BIOL165	Foundations of Biology	5		•			1	
3	1 MATH191	Calculus I	4		•				
5		Elective, Minor (incl Honors)	3			•			
6	CHEM210	Chemical Topics	0	•					
7									
8									
3	STEM	SEMESTER TOTAL	16	4.0	9	0	3	0	2
2	labs								
3	STEM	SEMESTER TOTAL	16	4.0	9	3	0	3	2
2	labs								

Junior (Third) Year									
Course	Title	Cred	M	C	GE	E	UD	L	
1	BCHM421	Biochem I	4	•				◇	
2	CHEM210	Chemical Topics	0	•					
4	1 CHEM330	Quant Chem Analysis	4		•			◇	2
3	1 PHYS141	General Physics I	4		•				
5	HC HONS365	Cosmos [F]	3			•		◇	
6	HC HONS398	Research Pro-Sem [F,S]	1			•		◇	
7									
8									
3	STEM	SEMESTER TOTAL	16	8.0	4	4	0	##	2
2	labs								
3	STEM	SEMESTER TOTAL	15	4.0	7	1	3	7.0	3
3	labs								

Senior (Fourth) Year									
IMPORTANT: MCAT / DAT / PCAT should be taken <i>before</i> 4th year									
Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM431	Physical Chemistry I	3	•				◇	
2	CHEM441	Physical Chemistry I Lab	1	•				◇	1
4	CHEM418	Chem & Biochem Seminar	2	•				◇	
3		Elective, Minor, Adv Chem*	3			•			
5	HC HONS415	Thinking Theologically [F,S]	3			•		◇	
6	1	Adv. Biol. #2 ‡	3		•			◇	1
7	HC HONS497	Honors Research	1			•		◇	
8	*Adv Chem = 415 (inorg), 495 (research) ‡ Adv Biol=BIOL371,372,315,415,420,447,450,464,465,485;FNDT485								
2	STEM	SEMESTER TOTAL	16	6.0	3	4	3	13	2
2	labs								
1	STEM	SEMESTER TOTAL	15	2.0	0	4	9	3.0	1
1	labs								

Credit Breakdown				Gen Ed Honors Credits Breakdown			
Course-type Legend	Credit type	Chart	AU Requirement	Code	Chart	AU Req't	
Cred = Course Credit	Total Credits	125	124 ✓	HC	31	31 ✓	✓
M = Major	Major	36.0	36 ✓	HE	6	6 ✓	✓
C = Cognate	Cognate	32	32 ✓				
GE = General Ed	Gen End	39	39 ✓				
E = Elective	Electives, Minor, etc	18	0 ✓				
UD = Upper Div	UD	38	30 ✓	PE	2	2 ✓	✓
				TOTAL	39	39	✓

Legend:  Reqt NOT Met;  Reqt Met

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