



Freshperson (First) Year

Fall Semester										Spring Semester									
Course	Title	Cred	M	C	GE	E	UD	L		Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM131	General Chemistry I	4	.				1		1	CHEM132	General Chemistry II	4	.				1	
2	MATH191	Calculus I	4	.						1	MATH192	Calculus II	4	.					
4	HC HONS105	Western Heritage I	5		.					HC	HONS106	Western Heritage II	5		.				
3	HC HONS115	Trans. the Self: Honors Comp	3		.					HE	HONSxxx	Honors Elective #1	3		.				
5																			
6																			
7																			
8																			
2	STEM	SEMESTER TOTAL	16	4.0	4	8	0	0	1	2	STEM	SEMESTER TOTAL	16	4.0	4	8	0	0	1
1	labs									1	labs								

Sophomore (Second) Year

Fall Semester										Spring of Odd Year									
Course	Title	Cred	M	C	GE	E	UD	L		Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM231	Organic Chemistry I	3	.						1	CHEM232	Organic Chemistry II	3	.					
2	CHEM241	Organic Chem Lab I	1	.				1			CHEM242	Organic Chem Lab II	1	.				1	
4	BIOL165	Foundations of Biology	5	.				1		1	BIOL166	Foundations of Biology	5	.				1	
3	PHYS241	Physics for Scientists I	4	.						1	PHYS142	Physics for Scientists II	4	.					
5	PHYS271	Physics for Scientists Lab I	1	.				1		1	PHYS272	Physics for Scientists Lab II	1	.				1	
6	PE FTESxxx	PE Activity #1	1	.						HC	HONS398	Research Pro-Sem [F,S]	1	.				◇	
7	CHEM210	Chemical Topics	0	.							CHEM210	Chemical Topics	0	.					
8																			
3	STEM	SEMESTER TOTAL	15	4.0	10	1	0	0	3	3	STEM	SEMESTER TOTAL	15	4.0	10	1	0	1	3
3	labs									3	labs								

Junior (Third) Year

Fall Semester										Spring of Even Year									
Course	Title	Cred	M	C	GE	E	UD	L		Course	Title	Cred	M	C	GE	E	UD	L	
1	CHEM431	Physical Chemistry I	3	.				◇											
2	CHEM441	Physical Chemistry I Lab	1	.				◇	1	1	CHEM400	Chemical Separations	2	.				◇	1
4	CHEM210	Chemical Topics	0	.							CHEM210	Chemical Topics	0	.					
3	CHEM330	Quant Chem Analysis	4	.				◇	2	HC	HONS215	Scripture [F,S]	3	.					
5	HC HONS265	Literature & the Arts [F,S]	3	.						HE	HONSxxx	Honors Elective #2	3	.					
6	MATH240	Calculus III	4	.						1		Adv. Biol. ‡	3	.				◇	1
7										HC	HONS497	Honors Research	1	.				◇	
8										1	CHEM415	Adv Inorganic Chem	4	.				◇	
Phys Chem I must be JUNIOR Fall; Waiver for CHEM330+CHEM431.										CHEM415 & CHEM432/442 are usually alternating years. Check with Chair.									
3	STEM	SEMESTER TOTAL	15	8.0	4	3	0	8.0	3	3	STEM	SEMESTER TOTAL	16	6.0	3	7	0	5.0	2
3	labs									2	labs								

Senior (Fourth) Year

Fall Semester										Spring of Odd Year									
Course	Title	Cred	M	C	GE	E	UD	L		Course	Title	Cred	M	C	GE	E	UD	L	
1	BCHM421	Biochem I (or prev Summer)	4	.				◇		1	BCHM422	Biochem II	3	.				◇	
2	CHEM418	Chem & Biochem Seminar	2	.				◇			BCHM430	Biochemistry Lab	1	.				◇	1
4	CHEM210	Chemical Topics	0	.						1	CHEM432	Physical Chemistry II	3	.				◇	
3	HC HONS415	Thinking Theolog'ly [F,S]	3	.				◇		HC	HONS497	Honors Research	1	.				◇	
5		Elective, Minor, Pre-prof	3	.						1	CHEM430	Instrumental Analysis	2	.				◇	1
6	PE FTESxxx	PE Activity #2	1	.								Elective, Minor, Pre-prof	3	.					
7	HC HONS365	Cosmos [F]	3	.				◇			CHEM210	Chemical Topics	0	.					
8										HC	HONS345	What is other (non-West) [S]	3	.				◇	
‡ Adv Biol=BIOL371,372,315,415,420,447,450,464,465,485;FNDD485																			
1	STEM	SEMESTER TOTAL	16	6.0	0	7	3	12.0	0	2	STEM	SEMESTER TOTAL	16	9.0	0	4	3	12.0	2
0	labs									2	labs								

Credit Breakdown

Course-type Legend	Credit type	Chart	AU Requirement	Gen Ed Honors Credits Breakdown
Cred = Course Credit	Total Credits	125	124	Code Chart AU Req't
M = Major	Major	45.0	45	HC 31 31
C = Cognate	Cognate	35	34	HE 6 6
GE = General Ed	Gen Ed	39	39	
E = Elective	Electives, Minor, etc	6	0	
UD = Upper Div	UD	38	30	PE 2 2
				TOTAL 39 39

Legend: ■ Req't NOT Met; ■ Req't Met