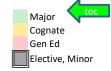
## Department of Chemistry & Biochemistry Andrews University



Department	Chemistry & Biochemistry
Program	BS Chemistry
Bulletin	2022-2023
Revised	February 2022



8-Chem-Odd Fall Start

<b>eshperson (Fir</b> Fall Ser			Spring	Semester	Spring of EVEN Year
	Title	Cred M C GE E UD		Title	Cred M C GE E UD
Course					
1 1 CHEM1	-	·	1 1 CHEM132	General Chemistry II	4 •
<sup>2</sup> 1 MATH1		4 •	1 MATH192	Calculus II	4 •
4 LC ENGL11	0 0	3 •	R RELT100	God & Human Life	3 •
<sup>3</sup> PE HLED13	5 Wellbeing 360°	3 •	LC COMM104	Communication Skills	3 •
5 Hu MUPFxx	x Music Lessons	1 •	Hu MUPFxxx	Music Lessons	1 •
6			CHEM210	Chemical Topics	0 •
7				· · ·	
8		substitute GE courses from 2nd,			
2 STEM	SEMESTER TO	OTAL 15 4.0 4 7 0 0		SEMESTER	TOTAL 15 4.0 4 7 0 0
1 labs	N.V.		1 labs		
phomore (Sec		Const. M. O. O. E. UD.	- Course	T:41 -	Spring of ODD Year
Course	Title	Cred M C GE E UD		Title	Cred M C GE E UD
1 1 CHEM2	S ,	3 •	1 CHEM232	Organic Chemistry II	3 •
2 CHEM2	41 Organic Chem Lab I	1 •	1 CHEM242	Organic Chem Lab II	1 •
4 1 PHYS24	1 Phys for Sci I	4 •	1 PHYS242	Phys for Sci II	4 •
3 PHYS27	'1 Phys for Sci Lab I	1 •	1 PHYS272	Phys for Sci Lab II	1 •
5 1 CHEM3	•	4 • ◊	2 LC ENGL215	College Writing II	3 •
6 R RELx2x		3 •	Hu MUPFxxx	Music Lessons	1 •
7		<b>-</b>		Elective, Minor, Pre-pro	
			0.15.4065		
8			CHEM210	Chemical Topics	0 •
3 STEM	SEMESTER TO	OTAL 16 8.0 5 3 0 4		SEMESTER 1	TOTAL 16 4.0 5 4 3 0
4 labs			<b>0</b> labs		
nior (Third) Ye					Spring of EVEN Year
Course	Title	Cred M C GE E UD	L Course	Title	Cred M C GE E UD
1 1 CHEM4	31 Physical Chemistry I	3 • ◊	1 CHEM415	Adv Inorganic Chem	4 • ◊
2 CHEM4	-	1 • ◊	1 1 CHEM400	Chemical Separations	2 • 💠
4 CHEM2	-	0 •	CHEM210	Chemical Topics	0 •
3	Elective	3 •	ONE TEE	Elective	3 •
<sup>5</sup> Hi HIST11	•	3 •	SS	Social Science	3 •
6 R RELx2x	Relig Course #3 (Up Div)	3 • ◊		Elective	3 •
7	Elective	3 •		Research	1 • ◊
8 Phys	Chem I must be JUNIOR Fall; Adv Org	is Spring of JuniorYear	CHEM415 & (	CHEM432/442 are usually alterr	ating years. Check with Chair.
1 STEM	SEMESTER TO				TOTAL 16 6.0 0 3 7 7.0
1 labs			1 labs		
nior (Fourth) Y					Spring of ODD Year
Course	Title	Cred M C GE E UD		Title	Cred M C GE E UD
1 BCHM4	21 Biochem I	4 • ◊	CHEM495	Chem Research	2 • ◊
2	Elective	3 •	CHEM210	Chemical Topics	0 •
4 CHEM4	18 Seminar in Chem & Bioch	em 2 • ◊	1 CHEM430	Instrumental Analysis	2 • ◊
3 R	Relig Course #4 (Ethics)	3 • ◊	Hu	Arts & Humanities	3 •
	Elective			Elective	3 •
٥		3 •			· ·
6	Research	1 •		Research	1 •
7 CHEM2	10 Chemical Topics	0 •		Elective	3 •
8 *A	dv Chem = CHEM432, CHEM47x, BC	HM422, BCHM430			
1 STEM	SEMESTER TO		• <b>1</b> STEM	SEMESTER T	TOTAL 14 2.0 0 3 9 4.0
<b>0</b> labs			1 labs		
Credit Bre	akdown			Gen Ed Credits Breakdown	
rse-type Legend	Credit type	Chart AU Requirement		Major Includes 7 ACE credits	Code Chart AU Reg't
I = Course Credit	Total Credits	124 124 🗸	司を返回し	Religion	R 12 12
. Course Creat	Major	38.0	하셨기때	Language & Communication	LC 9 9
Major	Cognate	18 18 ✓	o 94 militari	History	Hi 3 3
•			#####################################	Humanities	Hu 6 6
Cognate General Ed	Gen End	36			
Cognate General Ed Elective	Gen End Electives, Minor, etc	<b>32</b> 0 ✓		Social Sciences	SS 3 3
Major Cognate : General Ed Elective = Upper Div	Gen End		✓ Reat Met		