BS Biology Suggested Course Sequence (2023-2024)

- Students should take the Chemistry Placement test (available in Canvas) prior to New Student Advising.
- A Chemistry Placement score ≥35 is a pre-requisite for BIO 2101 and CHM 1211.
- Students who score <35 on the Chemistry Placement test, or who would benefit from an introduction to Chemistry, should take CHM 1310 in Autumn quarter, then take BIO 2101 and CHM 1211 in Winter quarter.

Students interested in careers in the health sciences should take PPHS 1200, PPHS 1800 and PPHS 3400. See the Pre-Professional Health Sciences program website for more information

This Suggested Course Sequence is a potential plan for how to complete the major within four years. Please consult with a departmental faculty advisor for course advisement

Four-Year Plan (>35 on Chemistry Placement Test)

		YEAR 1			
Autumn	Winter	Spring	Notes		
BIO 1859 (1)	BIO 2101 (5) *	BIO 2102 (5)	Take Math Placement Test (in Canvas) if you are		
CHM 1211 (5)	CHM 1212 (5)	CHM 1213 (3) **	at Math Level 0 or A at time of admission; Math		
UCOL 1000 (1)	PPHS 1200 (1)	CHM 2213 (2) **	Level B is a pre-requisite for BIO 2102, BIO 2103,		
Any quarter:			CHM 1212 and MAT 2360. Students who test into		
First-year general education courses (WRI 1000, WRI 1100, UFDN			Level 0 or A should plan to take MAT 0144 and/or		
1000)			MAT 0145 to achieve Math Level B.		
			* Students who test at Math Placement Level B		
		and who either score ≥45 on the Chemistry			
		Placement Test or transfer in the complete General			
		Chemistry sequence may take BIO 2103 in			
		Autumn 2023.			
			** May take CHM 3225 or BIO 4360 instead of		
			CHM 1213/2213 – consult with your faculty		
			advisor for the best option.		
YEAR 2					
Autumn	Winter	Spring	Notes		
CHM 3371 (5)	CHM 3372 (5)	CHM 3373 (5)	MAT 2360 is a pre-requisite for BIO 3325 and		
BIO 2103 (5)			BIO 4360.		
Any quarter:					
• MAT 2360 (5)		* Take Calculus Placement Test in Canvas first.			
MAT 1234 (Fall or Winter) or MAT 1221 (Spring)*			MAT 1235 may be required by some graduate		
*	IO 4978/4979) in years 2		programs.		
YEAR 3					
Autumn	Winter	Spring	Notes		
BIO 3325 (5)	PHY 1102 / 1122 (5)	PHY 1103 / 1123 (5)	BIO 3325 is offered both Autumn and Winter. It is		
PHY 1101 / 1121 (5)		Apply to graduate!	a pre-requisite for BIO 4330 (Winter only) and		
Any quarter:		BIO 4352 (Spring only).			
• BIO 3899 (1)					
()	y from the following: BI	Check the time schedule, as most courses are			
3310, 4810, 4815,		offered only in certain quarters.			
	my/diversity from the fo				
3432, 3453, 4320,		nowing. Dio 3000,	Physics 110x or 112x series is recommended for		
		2 4415 on 4744 in	most graduate programs.		
	y selected from: BIO 345	8 Pro 8			
	met in other sections				
• 3 credits of Field E	Bio in years 3-4 (see catal	log for options). YEAR 4			
Autumn	Winter		Notes		
Autumn	BIO 4330 (5)	Spring DIO 4252 (5)	Notes		
BIO 4330 (5) BIO 4352 (5) Any quarter: BIO 4899 (take twice, for a total of 2 credits)					
Any quarter: BIO 489	99 (take twice, for a total	of 2 credits)			

- 12 credits upper division BIO courses in years 3-4 not used elsewhere in major.
- 5 credits of Physiology core from the following: BIO 4256, 4410, 4413, 4415, 4418, 4419.

Four-Year Plan (<35 on Chemistry Placement Test)

	1841	YEAR 1	N. A
Autumn	Winter	Spring	Notes The Mid-Plant of Table (Control of Control of Con
BIO 1859 (1)	BIO 2101 (5)	BIO 2102 (5)	Take Math Placement Test (in Canvas) if you
CHM 1310 (5)	CHM 1211 (5)	CHM 1212 (5)	are at Math Level 0 or A at time of admission;
UCOL 1000 (1)	PPHS 1200 (1)		Math Level B is a pre-requisite for BIO 2102,
			BIO 2103, CHM 1212 and MAT 2360.
Any quarter:	.: (IVDI 1000)	Students who test into Level 0 or A should plan	
First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			to take MAT 0144 and/or MAT 0145 to
			achieve Math Level B.
			DIO 2102 and DIO 2102 can be deliced in either
			BIO 2102 and BIO 2103 can be taken in either
			order.
		YEAR 2	
Autumn	Winter	Spring	Notes
BIO 2103 (5)	PHY 1102 / 1122 (5)	CHM 1213 (3) *	MAT 2360 is a pre-requisite for BIO 3325 and
PHY 1101 / 1121 (5)	F111 1102 / 1122 (3)	CHM 1213 (3) * CHM 2213 (2) *	BIO 4360.
1111 1101 / 1121 (3)		PHY 1103 / 1123 (5)	BIO 4300.
Any quarter:		[1111 1103 / 1123 (3)	Physics (either 110x series or 112x series) is
• MAT 2360 (5)			recommended for most graduate programs.
	Winter) or MAT 1221 (S	ning) **	recommended for most graduate programs.
	O 4978/4979) in years 2 –		* May take CHM 3225 or BIO 4360 instead of
Begin research (B)	O 49/8/49/9) in years 2 –	4.	CHM 1213/2213 – consult with your faculty
			advisor for the best option.
			duvisor for the cest option.
			** Take Calculus Placement Test in Canvas
			first. MAT 1235 may be required by some
			graduate programs.
		YEAR 3	
Autumn	Winter	Spring	Notes
CHM 3371 (5)	CHM 3372 (5)	CHM 3373 (5)	BIO 3325 is offered both Autumn and Winter.
BIO 3325 (5)		Apply to graduate!	It is a pre-requisite for BIO 4330 (Winter only)
Any quarter:			and BIO 4352 (Spring only).
• BIO 3899 (1)			
	y from the following: BIO	Check the time schedule, as most courses are	
4810, 4815, 4825,			offered only in certain quarters.
E 111 C.	/ 11	offered only in certain quarters.	
• 5 credits of taxonor 3453, 4320, 4744.	my/diversity from the follo	owing: BIO 3000, 3432,	onered only in certain quarters.
3453, 4320, 4744.	my/diversity from the follows: selected from: BIO 3453,		onered only in certain quarters.
3453, 4320, 4744.	selected from: BIO 3453,		onored only in certain quarters.
3453, 4320, 4744.5 credits of Botany4. May be met in o	selected from: BIO 3453,	4415 or 4744 in years 3-	onored only in certain quarters.
3453, 4320, 4744.5 credits of Botany4. May be met in o	selected from: BIO 3453, ther sections tio in years 3-4 (see catalog	4415 or 4744 in years 3-	onored only in certain quarters.
3453, 4320, 4744.5 credits of Botany4. May be met in o	selected from: BIO 3453, ther sections io in years 3-4 (see catalogous). Winter	4415 or 4744 in years 3-g for options). YEAR 4 Spring	Notes
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B 	selected from: BIO 3453, ther sections tio in years 3-4 (see catalog	4415 or 4744 in years 3-g for options). YEAR 4	
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B Autumn Any quarter:	selected from: BIO 3453, ther sections io in years 3-4 (see catalogous Winter BIO 4330 (5)	4415 or 4744 in years 3-g for options). YEAR 4 Spring	
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B Autumn Any quarter:	selected from: BIO 3453, ther sections io in years 3-4 (see catalogous). Winter	4415 or 4744 in years 3-g for options). YEAR 4 Spring	
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B Autumn Any quarter: BIO 4899 (take two 	selected from: BIO 3453, ther sections io in years 3-4 (see catalogous Winter BIO 4330 (5)	4415 or 4744 in years 3- g for options). YEAR 4 Spring BIO 4352 (5)	
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B Autumn Any quarter: BIO 4899 (take two 	selected from: BIO 3453, ther sections to in years 3-4 (see catalogous BIO 4330 (5) ice, for a total of 2 credits) logy core from the following selected from: BIO 3453, there sections the sections are selected from: BIO 3453, there sections the sections are selected from: BIO 3453, there sections are selected from the sections are selected from the section from the section from the selected from the section fro	4415 or 4744 in years 3- g for options). YEAR 4 Spring BIO 4352 (5)	
 3453, 4320, 4744. 5 credits of Botany 4. May be met in o 3 credits of Field B Autumn Any quarter: BIO 4899 (take two 4413, 4415, 4418, 4415, 4418) 	selected from: BIO 3453, ther sections to in years 3-4 (see catalogous BIO 4330 (5) ice, for a total of 2 credits) logy core from the following selected from: BIO 3453, there sections the sections are selected from: BIO 3453, there sections the sections are selected from: BIO 3453, there sections are selected from the sections are selected from the section from the section from the selected from the section fro	4415 or 4744 in years 3- g for options). YEAR 4 Spring BIO 4352 (5) ng: BIO 4256, 4410,	