BS Ecology Suggested Course Sequence (2022-2023)

- 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.

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) CHM 1211 (5) UCOL 1000 (1)	BIO 2101 (5) * CHM 1212 (5) PPHS 1200 (1)	BIO 2102 (5) CHM 1213 (3) CHM 2213 (2)	Take Math Placement Test (in Canvas) if you are at Math Level 0 or A at time of admission; Math Level B is a pre-requisite for BIO 2102, BIO 2103, CHM 1212 and MAT 2360. Students who test into Level 0
Any quarter: First-year general edu 1000)	cation courses (WRI 1	000, WRI 1100, UFDN	or A should plan to take MAT 0144 and/or 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.
A 4	VAC t	YEAR 2	Mata
Autumn BIO 2103 (5) MAT 2360 (5)	Winter BIO 3325 (5) CHM 1330 (5) *	Spring MAT 1221 (5) **	MAT 2360 is a pre-requisite for BIO 3325 and BIO 4360.
 Any quarter: 10 credits of Applied Ecology from: BIO 3302, 3303, 3305, 4810, 4815, 4825, 4835, or 4840 in years 2 – 4.*** 8 additional credits of Electives in years 2 – 4 (see catalog for course options) 8 credits of Quantitative Supporting courses in years 2 – 4 (see catalog for course options) 3 credits of Field Bio in years 2 – 4 (see catalog for options). Courses in this category may also count for other categories. 			BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330 (Winter only). * CHM 3371 (Autumn) may be taken instead of CHM 1330. ** Take Calculus Placement Test in Canvas first. MAT 1234/1235 is recommended for some graduate programs, instead of MAT 1221. *** Plan ahead as these are primarily summer or inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both.
Autumn	Winter	Spring	Notes
BIO 3310 (5)	BIO 4360 (5)	BIO 3453 (5) * Apply to graduate!	* May take BIO 4744 in summer instead.
Any quarter: BIO 3899 (1) 5 credits of Physi 4415, or 4418 in	ology Core selected fr	om: BIO 4256, 4413,	BIO 3310 is offered both Autumn and Spring. Physics series is recommended for most graduate programs
Capstone experie	nce: 3 credits of resear 3 – 4 or BIO 4899 (mt	Check the time schedule, as most courses are offered only in certain quarters.	
		YEAR 4	
Autumn	Winter	Spring	Notes
A	BIO 4330 (5)		
Any quarter:			

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

Any quarter:

		YEAR 1	
Autumn	Winter	Spring	Notes
BIO 1859 (1)	BIO 2101 (5)	BIO 2102 (5)	Take Math Placement Test (in Canvas) if you are at
CHM 1310 (5)	CHM 1211 (5)	CHM 1212 (5)	Math Level 0 or A at time of admission; Math Level
UCOL 1000 (1)	PPHS 1200 (1)	(-)	B is a pre-requisite for BIO 2102, BIO 2103, CHM
			1212 and MAT 2360. Students who test into Level 0
Any quarter:			or A should plan to take MAT 0144 and/or MAT
	ucation courses (WRI	1000, WRI 1100, UFDN	0145 to achieve Math Level B.
1000)			
			BIO 2102 and BIO 2103 can be taken in either order.
		YEAR 2	
Autumn	Winter	Spring	Notes
BIO 2103 (5)	CHM 1330 (5) *	MAT 1221 (5) **	MAT 2360 is a pre-requisite for BIO 3325 and BIO
MAT 2360 (5)	C11W1 1550 (5)	WITT 1221 (3)	4360.
Any quarter:			1300.
• 10 credits of Applied Ecology from: BIO 3302, 3303, 3305,			* CHM 3371 (Autumn) may be taken instead of CHM
	5, 4835, or 4840 in year		1330.
		rs $2-4$ (see catalog for	
course options)		. (Co. C	** Take Calculus Placement Test in Canvas first.
- ,	ntitative Supporting co	MAT 1234/1235 is recommended for some graduate	
catalog for cours		programs, instead of MAT 1221.	
	l Bio in years $2-4$ (se		
Courses in this c	ategory may also coun	*** Plan ahead as these are primarily summer or	
		it for other categories.	
	aregery mass count	it for other categories.	inter-term courses. May be applied toward Field Bio
	aregory made coun	it for other categories.	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or
			inter-term courses. May be applied toward Field Bio
		YEAR 3	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both.
Autumn	Winter	YEAR 3 Spring	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes
Autumn	Winter BIO 3325 (5)	YEAR 3 Spring BIO 3453 (5)*	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both.
Autumn BIO 3310 (5)	Winter	YEAR 3 Spring	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring.
Autumn BIO 3310 (5) Any quarter:	Winter BIO 3325 (5)	YEAR 3 Spring BIO 3453 (5)*	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a
Autumn BIO 3310 (5) Any quarter: BIO 3899 (1)	Winter BIO 3325 (5) BIO 4360 (5)	Spring BIO 3453 (5)* Apply to graduate!	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring.
Autumn BIO 3310 (5) Any quarter: BIO 3899 (1) 5 credits of Phys	Winter BIO 3325 (5) BIO 4360 (5)	YEAR 3 Spring BIO 3453 (5)*	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330 (Winter only).
Autumn BIO 3310 (5) Any quarter: BIO 3899 (1) columnts of Phys 4415, or 4418 in	Winter BIO 3325 (5) BIO 4360 (5) diology Core selected fryears 3 – 4.	YEAR 3 Spring BIO 3453 (5)* Apply to graduate! From: BIO 4256, 4413,	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a
Autumn BIO 3310 (5) Any quarter: BIO 3899 (1) credits of Phys 4415, or 4418 in Capstone experie	Winter BIO 3325 (5) BIO 4360 (5) stiology Core selected for years 3 – 4. ence: 3 credits of resea	YEAR 3 Spring BIO 3453 (5)* Apply to graduate! From: BIO 4256, 4413, arch: BIO 4978 (1) and	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330 (Winter only). * May take BIO 4744 in summer instead.
Autumn BIO 3310 (5) Any quarter: BIO 3899 (1) 5 credits of Phys 4415, or 4418 in Capstone experie 4979 (2) in years	Winter BIO 3325 (5) BIO 4360 (5) diology Core selected fryears 3 – 4.	YEAR 3 Spring BIO 3453 (5)* Apply to graduate! From: BIO 4256, 4413, arch: BIO 4978 (1) and	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330 (Winter only).
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Autumn BIO 3310 (5) Any quarter: BIO 3899 (1) credits of Phys 4415, or 4418 in Capstone experied 4979 (2) in years total) in year 4.	Winter BIO 3325 (5) BIO 4360 (5) stiology Core selected fragers 3 – 4. ence: 3 credits of resea as 3 – 4 or BIO 4899 (mg)	YEAR 3 Spring BIO 3453 (5)* Apply to graduate! From: BIO 4256, 4413, arch: BIO 4978 (1) and aust take twice, 2 cr	inter-term courses. May be applied toward Field Bio credits. BIO 4840 may be applied to this section or Quantitative Supporting section, but not both. Notes BIO 3310 is offered both Autumn and Spring. BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330 (Winter only). * May take BIO 4744 in summer instead. Physics series is recommended for most graduate programs Check the time schedule, as most courses are offered only in certain quarters.
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