

**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  $\geq 35$  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 (Autumn BIO 2101 start)**

YEAR 1			
Autumn	Winter	Spring	Notes
BIO 1859 (1) BIO 2101 (5) CHM 1211 (5) UCOL 1000 (1)	BIO 2102 (5) CHM 1212 (5)	BIO 2103 (5) MAT 2360 (5)	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 or A should plan to take MAT 0144 and/or MAT 0145 to achieve Math Level B.  MAT 2360 is a pre-requisite for BIO 3325 and BIO 4360.  BIO 2102 and BIO 2103 can be taken in either order.
<b>Any quarter:</b> First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			
YEAR 2			
Autumn	Winter	Spring	Notes
BIO 3310 (5)	BIO 3325 (5) CHM 1330 (5) *	MAT 1221 (5) **	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).  * 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.
<b>Any quarter:</b> <ul style="list-style-type: none"> <li>• 10 credits of Applied Ecology from: BIO 3302, 3303, 3305, 4810, 4815, 4825, 4835, or 4840 in years 2 – 4.***</li> <li>• 8 additional credits of Electives in years 2 – 4 (see catalog for course options)</li> <li>• 8 credits of Quantitative Supporting courses in years 2 – 4 (see catalog for course options)</li> <li>• 3 credits of Field Bio in years 2 – 4 (see catalog for options). Courses in this category may also count for other categories.</li> </ul>			
YEAR 3			
Autumn	Winter	Spring	Notes
	BIO 4360 (5)	BIO 3453 (5)* <i>Apply to graduate!</i>	* 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.
<b>Any quarter:</b> <ul style="list-style-type: none"> <li>• BIO 3899 (1)</li> <li>• 5 credits of Physiology Core selected from: BIO 4256, 4413, 4415, or 4418 in years 3 – 4.</li> <li>• Capstone experience: 3 credits of research: BIO 4978 (1) and 4979 (2) in years 3 – 4 or BIO 4899 (must take twice, 2 cr total) in year 4.</li> </ul>			
YEAR 4			
Autumn	Winter	Spring	Notes
	BIO 4330 (5)		
<b>Any quarter:</b>			

**Four-Year Plan (Winter BIO 2101 start)**

YEAR 1			
Autumn	Winter	Spring	Notes
BIO 1859 (1) CHM 1310 (5)* UCOL 1000 (1)	BIO 2101 (5) CHM 1211 (5)	BIO 2102 (5) MAT 2360 (5) CHM 1212 (5)	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 or A should plan to take MAT 0144 and/or MAT 0145 to achieve Math Level B.  * Students may start with CHM 1211 if their Chemistry Placement Test score is $\geq 35$ .  BIO 2102 and BIO 2103 can be taken in either order.
<b>Any quarter:</b> First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			
YEAR 2			
Autumn	Winter	Spring	Notes
BIO 2103 (5) MAT 2360 (5)	CHM 1330 (5) *	MAT 1221 (5) **	MAT 2360 is a pre-requisite for BIO 3325 and BIO 4360.  * 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.
<b>Any quarter:</b> <ul style="list-style-type: none"> <li>10 credits of Applied Ecology from: BIO 3302, 3303, 3305, 4810, 4815, 4825, 4835, or 4840 in years 2 – 4.***</li> <li>8 additional credits of Electives in years 2 – 4 (see catalog for course options)</li> <li>8 credits of Quantitative Supporting courses in years 2 – 4 (see catalog for course options)</li> <li>3 credits of Field Bio in years 2 – 4 (see catalog for options). Courses in this category may also count for other categories.</li> </ul>			
YEAR 3			
Autumn	Winter	Spring	Notes
BIO 3310 (5)	BIO 3325 (5) BIO 4360 (5)	BIO 3453 (5)* <i>Apply to graduate!</i>	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.
<b>Any quarter:</b> <ul style="list-style-type: none"> <li>BIO 3899 (1)</li> <li>5 credits of Physiology Core selected from: BIO 4256, 4413, 4415, or 4418 in years 3 – 4.</li> <li>Capstone experience: 3 credits of research: BIO 4978 (1) and 4979 (2) in years 3 – 4 or BIO 4899 (must take twice, 2 cr total) in year 4.</li> </ul>			
YEAR 4			
Autumn	Winter	Spring	Notes
	BIO 4330 (5)		
<b>Any quarter:</b>			