

BA 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 earning a secondary teaching certificate should contact the [Certification Officer in SPU's School of Education](#) prior to their junior year to learn more about the process.

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 or A should plan to take MAT 0144 and/or MAT 0145 to achieve Math Level B.
Any quarter: First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			* 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.
YEAR 2			
Autumn	Winter	Spring	Notes
	CHM 1330 (5)	BIO 3453*	CHM 3371 and CHM 3372 (10 cr) may replace CHM 1330.
Any quarter: <ul style="list-style-type: none"> • MAT 2360 (5) • 5 credits of Ecology from the following: BIO 3310, 4810, 4815, 4825, 4835, 4840. 			MAT 2360 is a pre-requisite for BIO 3325. * BIO 4415 or BIO 4744 can be used to meet the Botany requirement instead. The Botany requirement can also count toward another category in the major.
YEAR 3			
Autumn	Winter	Spring	Notes
BIO 3325 (5)		<i>Apply to graduate!</i>	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330, which is only offered in Winter.
Any quarter: <ul style="list-style-type: none"> • 5 credits of Physiology core from the following: BIO 4256, 4413, 4415, 4418, 4419. • 5 credits of taxonomy/diversity from the following: BIO 3000, 3432, 3453, 4320, 4744. 			Check the time schedule, as most upper division courses are offered only in certain quarters.
YEAR 4			
Autumn	Winter	Spring	Notes
BIO 3615 (3)	BIO 4330 (5)		
Any quarter: <ul style="list-style-type: none"> • BIO 4899 (take twice, for a total of 2 credits) 			

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

YEAR 1			
Autumn	Winter	Spring	Notes
BIO 1859 (1) CHM 1310 (5) UCOL 1000 (1)	BIO 2101 (5) CHM 1211 (5) PPHS 1200 (1)	BIO 2102 (5) CHM 1212 (5)	<p>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.</p> <p>BIO 2102 and BIO 2103 can be taken in either order.</p>
<p>Any quarter: First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)</p>			
YEAR 2			
Autumn	Winter	Spring	Notes
BIO 2103 (5)	CHM 1330 (5)	BIO 3453*	<p>CHM 3371 and CHM 3372 (10 cr) may replace CHM 1330.</p> <p>MAT 2360 is a pre-requisite for BIO 3325.</p> <p>* BIO 4415 or BIO 4744 can be used to meet the Botany requirement instead. The Botany requirement can also count toward another category in the major.</p>
<p>Any quarter:</p> <ul style="list-style-type: none"> MAT 2360 (5) 			
YEAR 3			
Autumn	Winter	Spring	Notes
BIO 3325 (5)		<i>Apply to graduate!</i>	<p>BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4330, which is only offered in Winter.</p> <p>Check the time schedule, as most upper division courses are offered only in certain quarters, and some courses are offered in alternate years.</p>
<p>Any quarter:</p> <ul style="list-style-type: none"> 5 credits of taxonomy/diversity from the following: BIO 3000, 3432, 3453, 4320, 4744. 5 credits of Ecology from the following: BIO 3310, 4810, 4815, 4825, 4835, 4840. 			
YEAR 4			
Autumn	Winter	Spring	Notes
BIO 3615 (3)	BIO 4330 (5)		
<p>Any quarter:</p> <ul style="list-style-type: none"> BIO 4899 (take twice, for a total of 2 credits) 5 credits of Physiology core from the following: BIO 4256, 4413, 4415, 4418, 4419. 			