

**BS Applied Human Biology
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.

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 (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) PPHS 1200 (1)	BIO 2103 (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. BIO 2102 and BIO 2103 can be taken in either order.
Any quarter: First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			
YEAR 2			
Autumn	Winter	Spring	Notes
BIO 2129 (5) PHY 1101 or 1121 (5)	BIO 2130 (5) PHY 1102 or 1122 (5)	PHY 1103 or 1123 (5) PPHS 1800 (1)	MAT 2360 is a pre-requisite for some Biology electives.
Any quarter: <ul style="list-style-type: none"> • MAT 2360 (5) • PSY 1180 (5) 			
YEAR 3			
Autumn	Winter	Spring	Notes
	CHM 1330 (5)*	BIO 3351 (5) <i>Apply to graduate!</i>	* Some graduate programs require two quarters of Organic Chemistry (CHM 3371 and 3372, 10 credits) instead of CHM 1330. ** BIO 3000 can count toward the Focused Electives or General Biology Electives category, but not both. Ensure that you will have sufficient upper-division credits to meet the 60 minimum required for graduation. Check the time schedule, as most upper division courses are offered only in certain quarters. Consult with your faculty advisor to select Focused Electives and Biology Electives best suited toward your professional goals.
Any quarter: <ul style="list-style-type: none"> • 5 credits of Developmental Psychology from the following: PSY 2470, 3460, 3475 or 3480. • PSY 3360 (5) • 10 credits of Focused Electives in years 3 – 4 (see catalog for list).** • 10 credits of General Biology Electives in years 3 – 4 (see catalog for list). 			
YEAR 4			
Autumn	Winter	Spring	Notes
PPHS 3400 (2)			Ensure that you have ≥ 8 credits of “W” courses (can be any course, not just in major).
Any quarter: <ul style="list-style-type: none"> • BIO 4899 (take twice, for a total of 2 credits) 			

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) PPHS 1200 (1)	BIO 2102 (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. BIO 2102 and BIO 2103 can be taken in either order. * Students may start with CHM 1211 if their Chemistry Placement Test score is ≥ 35 .
Any quarter: First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			
YEAR 2			
Autumn	Winter	Spring	Notes
BIO 2103 (5) PHY 1101 or PHY 1121 (5)	PHY 1102 or PHY 1122 (5)	PHY 1103 or PHY 1123 (5) CHM 1213 (3) CHM 2213 (2) PPHS 1800 (1)	MAT 2360 is a pre-requisite for some Biology electives.
Any quarter: <ul style="list-style-type: none"> • MAT 2360 (5) • PSY 1180 (5) 			
YEAR 3			
Autumn	Winter	Spring	Notes
BIO 2129 (5)	BIO 2130 (5) CHM 1330 (5)*	BIO 3351 (5) <i>Apply to graduate!</i>	* Some graduate programs require two quarters of Organic Chemistry (CHM 3371 and 3372, 10 credits) instead of CHM 1330. ** BIO 3000 can count toward the Focused Electives or General Biology Electives category, but not both. Ensure that you will have sufficient upper-division credits to meet the 60 minimum required for graduation. Check the time schedule, as most upper division courses are offered only in certain quarters. Consult with your faculty advisor to select Focused Electives and Biology Electives best suited toward your professional goals.
Any quarter: <ul style="list-style-type: none"> • 5 credits of Developmental Psychology from the following: PSY 2470, 3460, 3475 or 3480. • PSY 3360 (5) • 10 credits of Focused Electives in years 3 – 4 (see catalog for list).** • 10 credits of General Biology Electives in years 3 – 4 (see catalog for list). 			
YEAR 4			
Autumn	Winter	Spring	Notes
PPHS 3400 (2)			Ensure that you have ≥ 8 credits of “W” courses (can be any course, not just in major).
Any quarter: <ul style="list-style-type: none"> • BIO 4899 (take twice, for a total of 2 credits) 			