BS Physiology 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. BIO 3896 (Medical Terminology) may also be beneficial. See the <u>Pre-Professional Health Sciences program</u> 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
CHM 1211 (5)	CHM 1212 (5)	CHM 1213 (3)	are at Math Level 0 or A at time of admission;
UCOL 1000 (1)	PPHS 1200 (1)	CHM 2213 (2)	Math Level B is a pre-requisite for BIO 2102,
			BIO 2103, CHM 1212 and MAT 2360.
Any quarter:			Students who test into Level 0 or A should plan
First-year general educa	tion courses (WRI 1000, V	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.	
		YEAR 2	
Autumn	Winter	Spring	Notes
BIO 2103 (5)	CHM 3372 (5)	CHM 3373 (5)	MAT 2360 is a pre-requisite for BIO 3325 and
CHM 3371 (5)		PPHS 1800 (1)	BIO 4360.
Any quarter:			
• MAT 2360 (5)			* Take Calculus Placement Test in Canvas
	ollowing list: MAT 1221,	MAT 1234 or BIO	first. MAT 1235 may be required by some
4360*			graduate programs.
			8
		YEAR 3	
Autumn	Winter	Spring	Notes
Autumn PHY 1101 / 1121 (5)	PHY 1102 / 1122 (5)	Spring PHY 1103 / 1123 (5)	Notes BIO 3325 is offered both Autumn and Winter.
PHY 1101 / 1121 (5)		Spring	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only
PHY 1101 / 1121 (5) Any quarter:	PHY 1102 / 1122 (5)	Spring PHY 1103 / 1123 (5)	Notes BIO 3325 is offered both Autumn and Winter.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1)	PHY 1102 / 1122 (5) BIO 3325 (5)	Spring PHY 1103 / 1123 (5) Apply to graduate!	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic	PHY 1102 / 1122 (5) BIO 3325 (5)	Spring PHY 1103 / 1123 (5) Apply to graduate!	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o	PHY 1102 / 1122 (5) BIO 3325 (5) plogy core courses selected r 4419 in years 3 – 4.	Spring PHY 1103 / 1123 (5) Apply to graduate! 1 from: BIO 4256, 4410,	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology	PHY 1102 / 1122 (5) BIO 3325 (5) sology core courses selected at 4419 in years 3 – 4.	Spring PHY 1103 / 1123 (5) Apply to graduate! I from: BIO 4256, 4410, es selected from: BIO	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 3	PHY 1102 / 1122 (5) BIO 3325 (5) blogy core courses selected r 4419 in years 3 – 4. v and evolution core course 3304, 3305, 3310, 3432, 34	Spring PHY 1103 / 1123 (5) Apply to graduate! I from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453,	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 3	PHY 1102 / 1122 (5) BIO 3325 (5) sology core courses selected at 4419 in years 3 – 4.	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4.	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4	PHY 1102 / 1122 (5) BIO 3325 (5) slogy core courses selected r 4419 in years 3 – 4. v and evolution core course 3304, 3305, 3310, 3432, 34 4815, 4825, 4835, 4840 or	Spring PHY 1103 / 1123 (5) Apply to graduate! I from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4	PHY 1102 / 1122 (5) BIO 3325 (5) blogy core courses selected r 4419 in years 3 – 4. v and evolution core course 3304, 3305, 3310, 3432, 34	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4410 o Autumn PPHS 3400 (2)	PHY 1102 / 1122 (5) BIO 3325 (5) slogy core courses selected r 4419 in years 3 – 4. v and evolution core course 3304, 3305, 3310, 3432, 34 4815, 4825, 4835, 4840 or	Spring PHY 1103 / 1123 (5) Apply to graduate! I from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 444 occupants Autumn PPHS 3400 (2) Any quarter:	PHY 1102 / 1122 (5) BIO 3325 (5) plogy core courses selected and evolution core courses 304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 444, 4810, 445, 445, 445, 445, 445, 445, 445, 44	PHY 1102 / 1122 (5) BIO 3325 (5) slogy core courses selected and evolution core courses 3304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter ce, for a total of 2 credits)	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5)	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores.
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4444 Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take twides a credits of ethics, 1448) of the cology and the cology are colored at the cology and the cology and the cology and the cology are colored at the color	PHY 1102 / 1122 (5) BIO 3325 (5) slogy core courses selected and evolution core courses 3304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter ce, for a total of 2 credits) health sciences or research	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) from: BIO 3615 or BIO	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 3 4330, 4744, 4810, 4 Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take twi 3 credits of ethics, 1 4978 (1) & 4979 (2	PHY 1102 / 1122 (5) BIO 3325 (5) plogy core courses selected 4419 in years 3 – 4. y and evolution core courses 3304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter ce, for a total of 2 credits) health sciences or research or HSC 4700 or PHI 100	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) from: BIO 3615 or BIO 2 or 2222 in years 3 – 4.	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended preparation for the MCAT. One 3-credit
PHY 1101 / 1121 (5) Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4445 Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take twide and according of ecology 3000, 3402, 3400, 440	PHY 1102 / 1122 (5) BIO 3325 (5) plogy core courses selected 4419 in years 3 – 4. y and evolution core courses 3304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter ce, for a total of 2 credits) the alth sciences or research or HSC 4700 or PHI 100 cel/micro core from: BIO 33	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) from: BIO 3615 or BIO 2 or 2222 in years 3 – 4. 320, 3350, 3351, 4325,	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended preparation for the MCAT. One 3-credit course (BIO 3350, CHM 4371 or CHM 4372)
Any quarter: BIO 3899 (1) 15 credits of Physic 4413, 4415, 4418 o 5 credits of ecology 3000, 3302, 3303, 34330, 4744, 4810, 4444 description of the second of the secon	PHY 1102 / 1122 (5) BIO 3325 (5) plogy core courses selected 4419 in years 3 – 4. y and evolution core courses 3304, 3305, 3310, 3432, 34815, 4825, 4835, 4840 or Winter ce, for a total of 2 credits) health sciences or research or HSC 4700 or PHI 100	Spring PHY 1103 / 1123 (5) Apply to graduate! If from: BIO 4256, 4410, es selected from: BIO 434 (or 3436), 3453, 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) from: BIO 3615 or BIO 2 or 2222 in years 3 – 4. 320, 3350, 3351, 4325,	Notes BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. Physics (either 110x series or 112x series) is recommended for most graduate programs. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended preparation for the MCAT. One 3-credit

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
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,
OCOL 1000 (1)	11113 1200 (1)		
			BIO 2103, CHM 1212 and MAT 2360.
Any quarter: First-year general education courses (WRI 1000, WRI 1100, UFDN 1000)			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.
			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)		CHM 2213 (2)	BIO 4360.
· /		PHY 1103 / 1123 (5)	
		PPHS 1800 (1)	Physics (either 110x series or 112x series) is
Any quanton:		11115 1000 (1)	recommended for most graduate programs.
Any quarter:			recommended for most graduate programs.
• MAT 2360 (5)		*T1 C1 1 P1 +T + C	
	following list: MAT 1221	, MAT 1234 or BIO	* Take Calculus Placement Test in Canvas
4360.*			first. MAT 1235 may be required by some
			graduate programs.
	200	YEAR 3	N.
Autumn	Winter	Spring	Notes
CHM 3371 (5)	Winter CHM 3372 (5)	Spring CHM 3373 (5)	BIO 3325 is offered both Autumn and Winter.
CHM 3371 (5)		Spring	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only
Autumn CHM 3371 (5) BIO 3325 (5) Any quarter:		Spring CHM 3373 (5)	BIO 3325 is offered both Autumn and Winter.
CHM 3371 (5) BIO 3325 (5) Any quarter:		Spring CHM 3373 (5)	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only
CHM 3371 (5) BIO 3325 (5) Any quarter: • BIO 3899 (1)	CHM 3372 (5)	Spring CHM 3373 (5) Apply to graduate!	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi	CHM 3372 (5)	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410,	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but
CHM 3371 (5) BIO 3325 (5) Any quarter : • BIO 3899 (1) • 15 credits of Physi 4413, 4415, 4418*	iology core courses selecters or 4419** in years 3 – 4	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410,	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* 5 credits of ecolog	iology core courses selecters or 4419** in years 3 – 4 y and evolution core courses	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303,	iology core courses selected or 4419** in years 3 – 4 years 304, 3305, 3310, 3432, 3	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, l. sees selected from: BIO 8434 (or 3436), 3453,	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303,	iology core courses selecters or 4419** in years 3 – 4 y and evolution core courses	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, l. sees selected from: BIO 8434 (or 3436), 3453,	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303,	iology core courses selected or 4419** in years 3 – 4 years 304, 3305, 3310, 3432, 3	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4.	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* 5 credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810,	CHM 3372 (5) sology core courses selected at the selection of the selecti	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn	iology core courses selected or 4419** in years 3 – 4 years 304, 3305, 3310, 3432, 3	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 8434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2)	CHM 3372 (5) sology core courses selected at the selection of the selecti	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter:	CHM 3372 (5) iology core courses selected:* or 4419** in years 3 – 4 y and evolution core cours 3304, 3305, 3310, 3432, 3 4815, 4825, 4835, 4840 or Winter	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5)	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter:	CHM 3372 (5) sology core courses selected at the selection of the selecti	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5)	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores.
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take tw	CHM 3372 (5) follogy core courses selected:* or 4419** in years 3 – 4 ry and evolution core cours 3304, 3305, 3310, 3432, 3 4815, 4825, 4835, 4840 or Winter	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, d. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5)	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* 5 credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take tw 3 credits of ethics,	cology core courses selected of 4419** in years 3 – 4 years 4 years 4 years 5 – 4 years 6	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, d. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) h from: BIO 3615 or BIO	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take tw 3 credits of ethics, 4978 (1) & 4979 (2)	cology core courses selected of 4419** in years 3 – 4 years 4 years 4 years 5 – 4 years 5 – 4 years 6	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 3434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) h from: BIO 3615 or BIO 02 or 2222 in years 3 – 4.	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended preparation for the MCAT. One 3-credit
CHM 3371 (5) BIO 3325 (5) Any quarter: BIO 3899 (1) 15 credits of Physi 4413, 4415, 4418* credits of ecolog 3000, 3302, 3303, 4330, 4744, 4810, Autumn PPHS 3400 (2) Any quarter: BIO 4899 (take tw 3 credits of ethics, 4978 (1) & 4979 (2) 13 credits of mol/c	cology core courses selected of 4419** in years 3 – 4 years 4 years 4 years 5 – 4 years 6	Spring CHM 3373 (5) Apply to graduate! ed from: BIO 4256, 4410, 4. ses selected from: BIO 8434 (or 3436), 3453, r 4880 in years 3 – 4. YEAR 4 Spring BIO 4352 (5) h from: BIO 3615 or BIO 02 or 2222 in years 3 – 4. 8320, 3350, 3351, 4325,	BIO 3325 is offered both Autumn and Winter. It is a pre-requisite for BIO 4352, which is only offered in Spring. ** BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. Check the time schedule, as most courses are offered only in certain quarters. Notes * BIO 4418 and 4419 can count in one, but not both of the physiology or mol/cel/micro cores. **CHM 4361 and 4362 are recommended