

## BIO General Curriculum, 1 year on quarters plus 3 years on semesters (Fall 2025 Start)

Year 1			Year 2		Year 3		Year 4	
Quarter 1	Quarter 2	Quarter 3	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
BIO 150 (4Q)	BIO 161 (4Q)	BIO 162 (4Q)	BIO 2253 (4S) or BIO 3351(3S) or BIO 3352 (4S)	BIO 2253 (4S) or BIO 3351(3S) or BIO 3352 (4S)	Bioscience Elective (4S)	Bioscience Elective (4S)	BIO 461/462/463 (2S)	
CHEM 127 (4Q)	CHEM 128 (4Q)	CHEM 129 (4Q)	CHEM 2240 (4S) or CHEM 2242 (5S)	BIO 2253 (4S) or BIO 3351(3S) or BIO 3352 (4S)	Approved Elective (3S)	4000-level elective (3S)	4000-level elective (3S)	4000-level elective (4S)
GE (4Q)	MATH 161 (4Q)	MATH 162 (4Q)	STAT 1110 (3S)	PHYS 1121 (4S) or Tech Elective (3-4S)	PHYS 1121 (4S) or Tech Elective (3-4S)	Approved Elective (3S)	Approved Elective (4S)	Approved Elective (3S)
GE (4Q)	GE (4Q)	GE (4Q)	GE (3S)	GE (3S)	GE (3S)	GE (3S)	Approved Elective (3S)	GE (3S)
					Free elective (2S)	Free elective (1-2S)	GE (3S)	GE (3S)
							Free elective (2S)	

10.67	10.67	10.67	14.5	14	15	14.5	15	15	120.0	Semester Units
16	16	16	21.75	21	22.5	21.75	22.5	22.5	180.0	Quarter Units

Students who are not calculus-ready should take MATH 118 in their first quarter instead of CHEM 127. They should take CHEM 127 in winter and CHEM 128 in spring.

Bio Core	21
4000-level electives	10
Bioscience Electives	8
Approved Electives	16
<b>Major Total</b>	<b>55</b>

Support	27.33
GE	31.67
Free elective	5 to 6

At least 4 units of approved electives must be upper-division

4000-level, Bioscience, and approved electives can be taken in any order that satisfies course prerequisites; this flowchart shows only one example.

Tech elective - take one of: CHEM 2244, CSC 1001 & 1001L, GEOG 2218, MATH 1265, NR 2218, PHYS 1123, STAT 1810, STAT 3520

Note: This flowchart shows excess 4000-level elective units. Only 9 units are required, but any excess can be applied to "Bioscience electives" and "Approved electives."

The elective requirements include 9 units of 4000-level electives, 9 units of "Bioscience electives", and 16 units of "Approved electives"

## BIO Anatomy & Physiology Concentration, 1 year on quarters plus 3 years on semesters (Fall 2025 Start)

Year 1			Year 2		Year 3		Year 4	
Quarter 1	Quarter 2	Quarter 3	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
BIO 150 (4Q)	BIO 161 (4Q)	BIO 162 (4Q)	BIO 2253 (4) or BIO 3351(3) or BIO 3352 (4)	BIO 2253 (4) or BIO 3351(3) or BIO 3352 (4)	BIO 4431 (4) or BIO 4432 (4)	BIO 4431 (4) or BIO 4432 (4)	BIO 461/462/463 (2)	
CHEM 127 (4Q)	CHEM 128 (4Q)	CHEM 129 (4Q)	CHEM 2240 (4) or CHEM 2242 (5)	BIO 2253 (4) or BIO 3351(3) or BIO 3352 (4)	Approved Elective (4)	A&P Elective (4)	Chem 3352 (4)	A&P Elective (4)
GE (4Q)	MATH 161 (4Q)	MATH 162 (4Q)	STAT 1110 (3)	PHYS 1121 (4) or Tech Elective (3-4)	PHYS 1121 (4) or Tech Elective (3-4)	GE (3)	A&P Elective (3)	Approved Elective (4)
GE (4Q)	GE (4Q)	GE (4Q)	GE (3)	GE (3)	GE (3)	GE (3)	Approved Elective (3)	GE (3)
				Free elective (1)	Free elective (2)			GE (3)
								Free elective (3)

10.67	10.67	10.67	14.5	15	16	14	15	14	120.5	Semester Units
16	16	16	21.75	22.5	24	21	22.5	21	180.8	Quarter Units

Students who are not calculus-ready will be block-registered into MATH 118 in semester 1 yr 1 instead of CHEM 127; they should take CHEM 127 in winter and CHEM 128 in spring

Bio Core	21
A&P Core	12
A&P electives	11
Approved Electives	11
<b>Major Total</b>	<b>55</b>

Support	27.33 to 28.33
GE	31.67
Free elective	6

At least 3 units of approved electives must be upper-division

Tech elective - take one of: CHEM 2244, CSC 1001/1001L, GEOG 2218, MATH 1265, NR 2218, PHYS 1123, STAT 1810, STAT 3520

A&P electives - take at least 11 units from: BIO 2255, 3333, 4413, 4433, 4434, 4436, 4437, 4452, 4456, CHEM 3354

4000-level, Bioscience, and approved electives can be taken in any order that satisfies course prerequisites; this flowchart shows only one example.

BIO EEBC Concentration, 1 year on quarters plus 3 years on semesters (Fall 2025 Start)									
Year 1 (AY 2025-26)			Year 2		Year 3		Year 4		
Quarter 1	Quarter 2	Quarter 3	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
BIO 150 (4Q)	BIO 161 (4Q)	BIO 162 (4Q)	BIO 2253 (4S)	BIO 3351 (3S) or BIO 3352 (4S)	BIO 3351 (3S) or BIO 3352 (4S)	EEBC Core (4S)	BIO 461/462/463 (2S)		
CHEM 127 (4Q)	CHEM 128 (4Q)	CHEM 129 (4Q)	CHEM 2240 (4S) or CHEM 2242 (5S)	EEBC Core (3-4S)	EEBC Core (3-4S)	EEBC Core (3S)	EEBC Core (4S)	EEBC Core (4S)	
GE (4Q)	MATH 161 (4Q)	MATH 162 (4Q)	STAT 1110 (3S)	PHYS 1121 (4S) or Tech Elective (3-4S)	PHYS 1121 (4S) or Tech Elective (3-4S)	Approved Elective (4S)	Approved Elective (4S)	Approved Elective (4S)	
GE (4Q)	GE (4Q)	GE (4Q)	GE (3S)	GE (3S)	GE (3S)	GE (3S)	GE (3S)	GE (3S)	
					Free elective (2S)	Free elective (1S)	GE (3S)	Free elective (3S)	
10.67	10.67	10.67	14.5	14	15	15	15	15	120.5
16	16	16	21.75	21	22.5	22.5	22.5	22.5	180.8
									<b>Semester Units</b>
									<b>Quarter Units</b>

Students who are not calculus-ready will be block-registered into MATH 118 in fall quarter of yr 1 instead of CHEM 127; they should take CHEM 127 in winter and CHEM 128 in spring.

Bio Core	21
EEBC Core (Ecology, Evolution, Conservation, Biodiversity)	22
Approved Electives	12
<b>Major Total</b>	<b>55</b>

Support	27.33
GE	31.67
Free elective	6

Tech elective - take one of: CHEM 2244, CSC 1001/1001L, GEOG 2218, MATH 1265, NR 2218, PHYS 1123, STAT 1810, STAT 3520

EEBC core classes can be taken in any order that satisfies prerequisites

EEBC Core is - Ecology: take 2 classes from BIO 3327, 4442, 4444, 4446, 4447, BOT 3326, MSCI 3300

Evolution: take either BIO 4413 or 4414 [recommended for year 4]

Conservation: take one of BIO 3343, MSCI 4439

Biodiversity: take two of BIO 3321, 3322, 3323, 3324, 3325, 3326, 3328, 4429, BOT 3313, 4433, MSCI 3324 [take one in year 2]

## BIO Molecular and Cellular Biology Concentration, 1 yr on quarters plus 3 years on semesters (Fall 2025 Start)

Year 1			Year 2		Year 3		Year 4			
Quarter 1	Quarter 2	Quarter 3	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2		
BIO 150 (4Q)	BIO 161 (4Q)	BIO 162 (4Q)	BIO 3351 (3S)	BIO 2253 (4S) or BIO 3352 (4S)	BIO 4457 (3S)	BIO 4452 (3S)	BIO 4461/462/463 (2S)			
CHEM 127 (4Q)	CHEM 128 (4Q)	CHEM 129 (4Q)	BIO 2255 (1S)	BIO 2253 (4S) or BIO 3352 (4S)	Approved Elective (4S)	Advanced Elective (3S)	Advanced Elective (4S)	Advanced Elective (3S)		
GE (4Q)	MATH 161 (4Q)	MATH 162 (4Q)	CHEM 2242 (5S)	PHYS 1121 (4S) or Tech Elective (3-4S)	PHYS 1121 (4S) or Tech Elective (3-4S)	Approved Elective (4S)	Approved Elective (4S)	Approved Elective (3S)		
GE (4Q)	GE (4Q)	GE (4Q)	STAT 1110 (3S)	GE (3S)	GE (3S)	GE (3S)	GE (3S)	Approved Elective (2S)		
			GE (3S)	Free elective (1S)	Free elective (2S)	GE (3S)	Free elective (2S)	GE (3S)		
10.67	10.67	10.67	15	15.5	15.5	16	14	12	120.0	Semester Units
16	16	16	22.5	23.25	23.25	24	21	18	180.0	Quarter Units

Students who are not calculus-ready will be block-registered into MATH 118 in quarter 1 yr 1 instead of CHEM127; they should take CHEM 127 in winter and CHEM 128 in spring.

Bio Core	21
MCB Core	7
Advanced electives	10
Approved Electives	17
<b>Major Total</b>	<b>55</b>

Support	28.33
GE	31.67
Free elective	5

At least 7 units of approved electives must be upper-division

Tech elective - take one of: CHEM 2244, CSC 1001/1001L, GEOG 2218, MATH 1265, NR 2218, PHYS 1123, STAT 1810, STAT 3520

Advanced Electives - take 9 units from BIO 4451, 4455, 4456, CHEM 3352, MCRO 4402