

## B.S. DEGREE - FALL 2020

**Quality Points:**
*(31 Hours of Biology minimum (11 or more courses))*
**(8.1.20)**

( ) = quality points x 4 / x 3 semester hours.

**A** = 4.0 (16.00 / 12.00)

**B+** = 3.3 (13.20 / 9.9)

**C+** = 2.3 (9.20 / 6.9)

**D+** = 1.3 (5.20 / 3.9)

**A-** = 3.7 (14.80 / 11.1)

**B** = 3.0 (12.00 / 9.0)

**C** = 2.0 (8.00 / 6.0)

**D** = 1.0 (4.0 / 3.0)

**B-** = 2.7 (10.80 / 8.10)

**C-** = 1.7 (6.80 / 5.1)

**F** = 0.0 (0.0)

COURSE SELECTION	COURSE #	GRADE	QUALITY POINTS	HOURS CREDIT	QUALITY POINT RATIO
BIOL 141 LECTURE (3)	#1			x 3	
BIOL 141L LAB (2)	#1L			x 2	
BIOL 142 LECTURE (3)	#2			x 3	
BIOL 142L LAB (2)	#2L			x 2	
<b>COLUMN A (one course)</b>					
BIOL 223 (3), 250 (3), <u>or</u> 264 (4)	#3			x 3 / x 4	
<b>COLUMN B (one course)</b>					
BIOL 240 (3), 360 (3), <u>or</u> 370 (4)	#4			x 3 / x 4	
<b>COLUMN C (one course)</b>					
BIOL 241 (4), 247 (3), <u>or</u> 329 (4)	#5			x 3 / x 4	
<b>4 ELECTIVES (12 hours minimum) (Any combination of classes including labs)</b>					
BIOL Elective 1	#6			x	
BIOL Elective 2	#7			x	
BIOL Elective 3	#8			x	
BIOL Elective 4	#9			x	
BIOL Elective 5 (if needed)	#10			x	
<b>UPPER LEVEL LAB (one upper-level lab--may come from column, research, or elective courses):</b>					
Upper-Level Lab			////////////////////	//////////	////////////////////
<b>CHEM/PHYSICS</b>					
Chem. 150				x 3	
Chem. 150L				x 2	
Chem. 202 / 202Z				x 3	
Chem. 202L / 202ZL				x 2	
Chem. 203 / 203Z				x 3	
Chem. 203L / 203ZL				x 2	
Physics 141 / 151 w/Lab				x 4	
<b>MATH (3 courses)</b>					
Calculus #1 - Math 111				x 3	
Calculus #2 - Math 116 ***				x 4	
QTM 100				x 4	
<b>Required by some medical schools (but not required for the Biology BS degree)</b>					
Chem. 204 / 204			////////////////////	//////////	////////////////////
Chem. 204L / 204			////////////////////	//////////	////////////////////
Physics 142 / 152 w/Lab			////////////////////	//////////	////////////////////
<b>NOTES:</b>					
			<b>TOTAL:</b>		

\*To figure g.p.a. for biology major only: Multiply quality points x credit hours for quality-point ratio, and divide quality point ratio total by total number of hours attempted.

\*100-level biology courses and Biology 497R do NOT count toward biology electives, but may be counted as elective credit for Emory graduation requirements.

\*\*\* Math 112 may be taken in lieu of Math 116 ONLY in the case of a double major requirement and ONLY with the major advisor's approval. Students with 4 hours of AP credit for AB Calculus are exempt from Math 111; students with 8 hours of BC Calculus are exempt from both math courses.

\*A maximum of 4 credit hours of Biology 495 (Honors Research) or Biology 499R (Undergraduate Research) may be counted as elective credit and an upper-level lab **after completion of the second semester.**

\*The **CHEMISTRY series** consists of Chem 150 + 150L, Chem 202/202Z + 202L/202ZL, and Chem 203/203Z + 203L/203ZL.

Premeds should also take Chem 204 + 204L.