

Thomas Harriot College of Arts and Sciences
B.S. in Biology: Molecular/Cell Concentration

Please note that this is a **recommended** sequence.
Check catalog for prerequisites.
Course availability may vary from semester to semester.

FRESHMAN YEAR			
Fall Semester		Spring Semester	
BIOL 1100, 1101	4	BIOL 1200, 1201	4
CHEM 1150, 1151	4	CHEM 1160, 1161	4
ENGL 1100 (WI)	3	KINE 1000	1
MATH 1065	3	MATH 2121	3
		Social Sciences (GD or DD)	3
	14		15

SOPHOMORE YEAR			
Fall Semester		Spring Semester	
BIOL 2300 (Genetics)	3	BIOL 3030 (Princ of Physiology)	3
CHEM 2750, 2753	4	BIOL 3260 (Cell and Dev Biol)	3
ENGL 2201 (WI)	3	CHEM 2760, 2763	4
MATH 2122	3	Humanities	3
Social Sciences (GD or DD)	3	Social Sciences	3
	16		16

JUNIOR YEAR			
Fall Semester		Spring Semester	
BIOL 2250 or 3620	3	BIOL Elective*	3
BIOL Elective*	3	ENGL 3820 (WI)	3
Fine Arts	3	Humanities or Fine Arts	3
HLTH 1000	2	MATH 2228, or 2283, or BIOS 1500	3
PHYS 1250, 1251	4	PHYS 1260, 1261	4
	15		16

SENIOR YEAR			
Fall Semester		Spring Semester	
BIOL Elective*	3	BIOL Elective* with lab	4
BIOL Elective*	3	BIOL Elective*	3
BIOL Elective*	3	Free Elective	3
Additional General Ed course (WI)	3	Free Elective	3
Free Elective	3		
	15		13

TOTAL HOURS	120
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Contact: BUG@ecu.edu

Confirmed by: GFC

Updated: Jun 2024

NOTES:

**Must complete 21 hours of Specified BIOL electives. Including at least 12 s.h. from the molecular/cell concentration specific list; at least 3 s.h. from the ecology/evolution concentration specific list; and 6 s.h. of any BIOL electives with at least one at the 3000 or 4000 level. Consult undergraduate catalog and advisor when selecting these courses.*

Students interested in research or graduate school are encouraged to take BIOL 3504, BIOL 3550, and/or BIOL 4995 as BIOL electives or free electives.