

Thomas Harriot College of Arts and Sciences
College of Allied Health Sciences
**Dual Degree in B.S. in Biology: Molecular/Cell Concentration
and B.S. in Clinical Laboratory Sciences**

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	ENGL 2201 (WI)	3
MATH 1065	3	MATH 2121	3
PSYC 1000 (GE:SO)	3	Social Sciences (GD or DD)	3
	17		17
SOPHOMORE YEAR			
Fall Semester		Spring Semester	
BIOL 2300 (Genetics)	3	BIOL 3260 (Cell and Dev Biol)	3
CHEM 2750, 2753	4	BIOL elective*	3
BIOL 2250 or 3620	3	CHEM 2760, 2763	4
KINE 1000	1	Fine Arts (GD or DD)	3
MATH 2122	3	PHYS 1260, 1261	4
PHYS 1250, 1251	4		
	18		17
JUNIOR YEAR			
Fall Semester		Spring Semester	
BIOL 2130 (Sur Human A&P)*	4	BIOL elective*	3
BIOL 3030 (Princ of Physiology)	3	CLSC 3410, 3411 (Hematology 1)	4
BIOL 3220, 3221 (Microbiology)*	4	CLSC 3430 (Immunology)*	2
Humanities	3	CLSC 4430, 4431 (Clinical Chem 1)	4
MATH 2228 or PSYC 2101	3-4	CLSC 4460, 4461 (Bacteriology)	5
	17-18		18
Summer Term			
CLSC 3440, 3441 (Clinical Microscopy & Serology)*			3
CLSC 4210, 4211 (Immunohematology)			4
CLSC 4491 (Molecular Diagnostics 1)			1
HLTH 1000			2
Social Science			3
			13
SENIOR YEAR			
Fall Semester		Spring Semester	
BIOL elective*	3	CLSC 4492 (Molecular Diagnostics 2)	1
CLSC 3420, 3421 (Hematology 2)	4	CLSC 4802 (PPI, WI)	3
CLSC 4440, 4441 (Clinical Chem 2)	4	CLSC 4992 (Clin Hema)	2
CLSC 4470, 4471 (Myco/Paras/Other)	4	CLSC 4993 (Clin Chem)	2
CLSC 4801 (PPI; WI)	3	CLSC 4994 (Clin Immu)	2
		CLSC 4997 (Clin Micro)	2
		Humanities or Fine Arts	3
	18		15
TOTAL HOURS			150-151

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. CLSC 3430, 3440, and 3441 can count as Molecular/Cell electives with Degree Works petitions.*

4 Writing Intensive (WI) courses must be completed, including ENGL 1100, 2201, CLSC 4801, and 4802. CLSC 4802 can count toward the research writing skills with a Degree Works petition.

Grade of C or higher required in all science and CLSC courses.

Contact: BUG@ecu.edu, evansgu15@ecu.edu

Confirmed by: GFC