

Thomas Harriot College of Arts and Sciences  
 College of Allied Health Sciences

**Double major in B.S. in Clinical Laboratory Sciences double major and B.A in Biology**

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

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BIOL 1100, 1101	4	BIOL 1200, 1201	4
BIOL 1120	2	CHEM 1160, 1161	4
CHEM 1150, 1151	4	HLTH 1000	2
ENGL 1100 (WI)	3	MATH 2121	3
MATH 1065	3	PSYC 1000 (GE:SO)	3
	<b>16</b>		<b>16</b>

<b>SOPHOMORE YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BIOL 2300 (Genetics)	3	BIOL 2250 (Ecology)	3
ENGL 2201 (WI)	3	BIOL 3260 (Cell and Dev Biol)	3
KINE 1000	1	CHEM 1130 (Org and Biochem)	4
PHYS 1250, 1251	4	Fine Arts (GD or DD)	3
Social Sciences (GD or DD)	3	Humanities	3
	<b>14</b>		<b>16</b>

<b>JUNIOR YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BIOL 2130, 2131 (Human A&P)*	5	CLSC 3410, 3411 (Hematology 1)	4
BIOL 3030 (Princ of Physiology)	3	CLSC 3430 (Immunology)	2
BIOL 3220, 3221 (Microbiology)*	4	CLSC 4430, 4431 (Clinical Chem 1)	4
MATH 2228 or PSYC 2101	3-4	CLSC 4460, 4461 (Bacteriology)	5
	<b>15-16</b>		<b>15</b>

<b>Summer Term</b>	
CLSC 3440, 3441 (Clinical Microscopy & Serology)*	3
CLSC 4210, 4211 (Immunohematology)	4
CLSC 4491 (Molecular Diagnostics 1)	1
Social Sciences	3
	<b>11</b>

<b>SENIOR YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
CLSC 3420, 3421 (Hematology 2)	4	CLSC 4492 (Molecular Diagnostics 2)	1
CLSC 4440, 4441 (Clinical Chem 2)	4	CLSC 4802 (PPI, WI)	3
CLSC 4470, 4471 (Myco/Para/Other)	4	CLSC 4992 (Clin Hema)	2
CLSC 4801 (PPI; WI)	3	CLSC 4993 (Clin Chem)	2
		CLSC 4994 (Clin Immu)	2
		CLSC 4997 (Clin Micro)	2
		Humanities or Fine Arts	3
	<b>15</b>		<b>15</b>

<b>TOTAL HOURS</b>	<b>133-134</b>
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Contact: [BUG@ecu.edu](mailto:BUG@ecu.edu),

Confirmed by: GFC

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**NOTES:**

*4 Writing Intensive (WI) courses must be completed, including ENGL 1100, 2201, CLSC 4801, and 4802. CLSC 4802 can substitute for BIOL 3010 with a Degree Works petition.*

*\* Must complete at least 2 BIOL courses with laboratory in addition to BIOL 1101 and 1201.*

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

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