

Thomas Harriot College of Arts and Sciences  
**B.S. in Biology: General Biology Concentration (Pre-Med option)**

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>	
ENGL 1100 (WI)	3	<b>Social Science (SOCI 2110)</b>	3
<b>MATH 1065</b>	3	MATH 2121	3
<b>CHEM 1150, 1151</b>	4	<b>CHEM 1160, 1161</b>	4
<b>BIOL 1100, 1101</b>	4	<b>BIOL 1200, 1201</b>	4
<b>Social Science (PSYC 1000)</b>	3	HLTH 1000	2
	<b>17</b>		<b>16</b>
<b>SOPHOMORE YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>CHEM 2750, 2753</b>	4	<b>CHEM 2760, 2763</b>	4
MATH 2122	3	Fine Arts	3
BIOL 2300 (Genetics)	3	BIOL 3260 (Cell and Dev Biol)	3
Humanities	3	BIOL 3030 (Princ of Physiology)	3
ENGL 2201 (WI)	3	<b>MATH 2228, or 2283, or BIOS 1500</b>	3
	<b>16</b>		<b>16</b>
<b>JUNIOR YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>PHYS 1250, 1251</b>	4	<b>PHYS 1260, 1261</b>	4
<b>BIOL Elective* (BIOL 4880)**</b>	3	<b>BIOL Elective w/lab* (BIOL 3220, 3221)*</b>	4
BIOL 2250 (Ecology)	3	BIOL Elective*	3
Social Sciences (GD)	3	ENGL 3820 (WI)	3
Humanities or Fine Arts	3	KINE 1000	1
	<b>16</b>		<b>15</b>
<b>SENIOR YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BIOL 3620 (Evolutionary Biol)	3	BIOL Elective*	3
BIOL Elective*	3	BIOL Elective*	3
Free Elective (WI)	3	Free Elective	3
Additional Gen Ed Course	3	Free Elective	3
	<b>12</b>		<b>12</b>
<b>TOTAL HOURS</b>			<b>120</b>

Contact: [BUG@ecu.edu](mailto:BUG@ecu.edu)

Confirmed by: GFC

Updated: March 2023

**NOTES:**

\*Must complete 18 hours of Specified BIOL electives. Including at least one elective from the ecology/evolution courses; at least one elective from the molecular/cell concentration specific list, and at least one lab course, and 10-12 s.h. of BIOL electives with at least two at the 3000 or 4000 level. Consult undergraduate catalog and advisor when selecting these courses

\*\*BIOL 4880 (or CHEM 2770) is required for medical school. BIOL 3220, 3221 are recommended for medical school  
**Pre Med courses (listed in bold) should be completed by spring of Junior year in order to take MCAT**

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.

For additional assistance, please consult ECU's Pre-Professional Advising Center at [ppac.ecu.edu/contact-us/](http://ppac.ecu.edu/contact-us/)