

Thomas Harriot College of Arts and Sciences  
**B.S. in Biochemistry, Biology concentration (pre-dental option)**

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 <sup>†</sup>	4	BIOL 1200, 1201 <sup>†</sup>	4
CHEM 1150, 1151 <sup>†</sup>	4	CHEM 1160, 1161 <sup>†</sup>	4
ENGL 1100 (WI) <sup>†</sup>	3	ENGL 2201 (WI) <sup>†</sup>	3
MATH 1065 <sup>†</sup>	3	HLTH 1000	2
Social Sciences (GD or DD)	3	MATH 1083	3
	<b>17</b>		<b>16</b>
SOPHOMORE YEAR			
Fall Semester		Spring Semester	
BIOL 2300 (Genetics)	3	BIOL 2130, 2131 (Human A&P) <sup>#†</sup>	5
CHEM 2750, 2753 <sup>†</sup>	4	BIOL 3260 (Cell and Dev Biol)	3
KINE 1000	1	CHEM 2760, 2763 <sup>†</sup>	4
MATH 2171 <sup>†</sup>	4	MATH 2172	4
Social Sciences	3		
	<b>15</b>		<b>16</b>
JUNIOR YEAR			
Fall Semester		Spring Semester	
BIOL 4880 (Biochemistry I) <sup>#†</sup>	3	BIOL 4890 (Biochemistry II)	3
BIOL 4891 (Biochemistry Lab)	1	BIOL 3220, 3221 (Microbiology) <sup>*#†</sup>	4
Fine Arts	3	MATH 2228 or 2283 or BIOS 1500 <sup>†</sup>	3
MATH 2173	4	PHYS 2360, 1261 <sup>†</sup>	5
PHYS 2350, 1251 <sup>†</sup>	5		
	<b>16</b>		<b>15</b>
SENIOR YEAR			
Fall Semester		Spring Semester	
CHEM 3250, 3251 (WI)	5	Restricted Electives*	3
Restricted Electives*	3	Restricted Electives*	3
Restricted Electives*	3	Humanities or Fine Arts (WI)	3
Humanities	3	Social Sciences	3
	<b>14</b>		<b>12</b>
<b>TOTAL HOURS</b>			<b>121</b>

Confirmed by: GFC

Updated: June 2024

**NOTES:**

A 3 s.h. Global Diversity course and a 3 s.h. Domestic Diversity course are also required (these can coincide with other general education or major courses).

4 Writing Intensive (WI) courses must be completed, typically including ENGL 1100, ENGL 2201, CHEM 3251, and an additional WI of the student's choice.

\* Choose 16 s.h. of restricted electives from the following list: BIOL 2100/2101, 3110, 3220/3221, 3310/3311, 3820, 4030, 4230, 4260, 4420, 4490/4491, 4650, 4830, 4860, 5870, 5900/5901, CHEM 4522, MATH 3331; up to 3 s.h. of research in biology or chemistry (BIOL 3504, 3550, CHEM 4505, 4506, 4507, 4515, 4516, 4517)

# BIOL 2130/2131, 3220/3221, and 4880 are recommended for dental school.

† Pre-dental courses should be completed by spring of Junior year in order to take DAT.

Contact: BUG@ecu.edu