

A.S. in BIOLOGY/PRE-MEDICINE (0601) 60 Credits

Essex County College, Biology, Chemistry, and Physics Division – Curriculum Guide

STUDENT: _____

ID#: _____

General Education Requirements (30 Crs.)		Crs.	✓
Written & Oral Communications (6 Crs.)			
ENG 101	College Composition I	3	
ENG 102	College Composition II	3	
Quantitative/Scientific Knowledge, Skills & Reasoning (12 Crs.)			
MTH 119	Pre-Calculus I	4	
BIO 103	General Biology I	4	
BIO 104	General Biology II	4	
Society & Human Behavior (6 Crs.)			
E.g., ANT 101, 105; ECO 101,102; POL 101, 104; PSY 101, 102, 219; SOC 101, 108, 219	Choose Two of the following	3	
		3	
Humanistic Perspective (3 Crs.)			
E.g., ENG 205, 208, 215, 221, 222, 232, 237, 238, 242, 250, 263, 264	Choose One English Literature Course	3	
Historical Perspective (3 Crs.)			
E.g., HST 101, 102, 111, 112, 121, 122, 131, 132, 134, 135, 136, 137, 161, 162	Choose One History Course	3	
Major Requirements (30 Crs.)			
BIO 210	Scientific Research Methods	2	
CHM 103	General Chemistry I	4	
CHM 104	General Chemistry II	4	
MTH 120	Pre-Calculus II	4	
PHY 101 – 102 Sequence Or CHEM 203 – 204 Sequence	College Physics I or Organic Chemistry I	4	
	College Physics II or Organic Chemistry II	4	
BIO 211, 220, 225, 228, 230, 237	Choose Two of the following	4	
		4	
Total Credits Required		60	

NOTE:

- BIO 121-122 may count only as one advanced Biology course.
- No grade of “D” is acceptable in any BIO, CHM, PHY, or MTH courses.
- MTH 119 -120 sequence (8 cr.) may be substituted by MTH 118 -121 (8 cr).
- This plan assumes successful completion of all required developmental courses in Reading, Writing and Mathematics.