

A.S. in PHYSICS (0608) 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 121	Calculus with Analytical Geo. I	4	
MTH 122	Calculus with Analytical Geo. II	4	
CHM 103	General Chemistry I	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 Social Science General Education Courses	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 Course Requirements (30 Crs.)			
PHY 103	General Physics I	4	
PHY 104	General Physics II	4	
PHY 110	Intro to Data Reduction w. Applications	4	
PHY 203	General Physics III	4	
PHY 299	Physics Research Capstone	2	
MTH 221	Calculus w. Anal. Geo. III	4	
MTH 222	Differential Equations	4	
CSC 121	Computer Science I	4	
Total Credits Required		60	

NOTES:

- No grade of “D” is acceptable in any CHM, CSC, MTH or PHY courses.
- This plan assumes successful completion of all required developmental courses in Reading, Writing and Mathematics

THIS PROGRAM IS NOT ELIGIBLE FOR FINANCIAL AID

REVISED DECEMBER 2020