

A.S. in CHEMISTRY (0602) 60 Credits

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

STUDENT: _____

ID#: _____

| General Education Requirements (33 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 w. Analytical Geometry I | 4 | |
| MTH 122 | Calculus w. Analytical Geometry II | 4 | |
| PHY 101 | College Physics 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 | Chose One English Literature Course | 3 | |
| E.g., ART 100, 101, 102; MUS 100, 108, 109, 117 | Any Art Appreciation/Music 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 (27 Crs.) | | | |
| CHM 103 | General Chemistry I | 4 | |
| CHM 104 | General Chemistry II | 4 | |
| CHM 203 | Organic Chemistry I | 4 | |
| CHM 204 | Organic Chemistry II | 4 | |
| MTH 221 | Calculus III | 4 | |
| PHY 102 | College Physics II | 4 | |
| CHM 299 | Research Study in Chemistry | 3 | |
| Total Credits Required | | 60 | |

NOTE:

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

REVISED DECEMBER 2020