

**B.S. Chemistry
2023-2024**

Name: _____ ID#: _____ Anticipated Grad Date: _____

MAJOR REQUIREMENTS: 50 semester hours

<u>Cr Hrs.</u>	<u>Course</u>	<u>Term</u>	<u>Grade</u>
<u>Required courses:</u>			
CHE 183 Principles of Chemistry I	4	_____	_____
CHE 184 Principles of Chemistry II.....	4	_____	_____
CHE 201 Organic Chemistry I	4	_____	_____
CHE 202 Organic Chemistry II	4	_____	_____
CHE 250 Quantitative Analysis	4	_____	_____
CHE 310 Inorganic Chemistry	4	_____	_____
CHE 350 Physical chemistry	4	_____	_____
CHE 450 Laboratory Capstone	3	_____	_____
MAT 141 Probability and Statistics.....	3	_____	_____
MAT 211 Calculus I	4	_____	_____
MAT 221 Calculus II	4	_____	_____
PHY 103 General Physics I	4	_____	_____
PHY 104 General Physics II	4	_____	_____

Restricted Electives course: (12 semester hours)

At least 2 courses must be at 200 level or higher if not pursuing a Green Chemistry Concentration, see elective options below.

BIO 120 Intro to Cellular and Molecular Biology	4	_____	_____
BIO 121 Intro to Ecology and Evolutionary Biology.....	4	_____	_____
CHE 301 Biochemistry.....	4	_____	_____
CHE/PHY 290/390 Special Topics	4	_____	_____
CHE/PHY 489 Independent Study.....	3	_____	_____
GEO 101 Physical Geology	4	_____	_____
MAT 231 Calculus III	4	_____	_____
PHY 204 Cosmology	3	_____	_____
PHY 302 Astrophysics	3	_____	_____
SCI 494 Senior Project OR.....	2	_____	_____
SCI 469 Senior Internship	2	_____	_____
SCI 495 Senior Project II	2	_____	_____

Green Chemistry Concentration Option (12 semester hours)

Required course:

CHE 210 Environmental and Green Chemistry	4	_____	_____
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Select from these courses in place of the restricted electives above, for a total of at least 8 hours.

BIO 245 General Ecology	4	_____	_____
BIO 360 Microbiology	4	_____	_____
CHE 301 Biochemistry.....	3	_____	_____
CHE 489 Independent Study	1-4	_____	_____
ENV 202 Climate Change.....	3	_____	_____
ENV 250 Skills for Sustainable Living	3	_____	_____
ENV 301 Environmental Policy, Law, Justice.....	3	_____	_____
SCI 494 Senior Project OR.....	2	_____	_____
SCI 469 Senior Project II	2	_____	_____
SCI 495 Senior Project II	2	_____	_____

GRADUATION REQUIREMENTS:

- Minimum 124 semester hours
- Minimum cumulative GPA of at least 2.0 in all coursework at Brevard and minimum cumulative GPA of at least 2.0 in all courses required for major. Some majors may have more stringent requirements (see major requirements in catalog)
- Complete a minimum of 32 semester hours at Brevard and complete 50% of major requirements at Brevard.
- Errors contained on the checklist do not release the student from meeting graduation requirements as stated in the catalog