Thomas Harriot College of Arts and Sciences
B.A. in Chemistry

This 4-year plan is designed for students who may take MATH 1065 (or higher) with CHEM 1150.

The BA degree in chemistry provides excellent grounding in chemistry principles, including specially focused 3000-level coursework. Students who earn a BA in chemistry have a broad education in chemistry, and are equipped with skills that enhance their marketability to a wide variety of scientific companies, and are well-prepared to enter fields such as medicine, dentistry, pharmacy, and forensics. This flexible 4-year plan leaves room for exploring other interests and is a popular major to pair with other science majors (foreign language is waived for students earning a BS in another field and a second major in Chemistry).

FRESHMAN YEAR

Fall Semester		Spring Semester	
CHEM 1150,1151 (Gen Chem I)	3,1	CHEM 1160,1161 (Gen Chem II)	3,1
MATH 1065 (College Algebra)	3	MATH 2121 (Calc I Life Sciences)*	3
ENGL 1100 (College Writing)	3	HLTH 1000 (Health)	2
Humanities/Fine Arts	3	Fine Arts	3
Social Science	3	Elective**	3
	16		15

SOPHOMORE YEAR

CHEM 2750,2753 (Organic Chem I)	3,1	CHEM 2760,2763 (Organic Chem II)	3,1
MATH 2122 (Calc II Life Sciences)*	3	PHYS 1250,1251 (Gen Phys I)	3,1
ENGL 2201 (Writing / Disciplines)	3	KINE 1000 (Physical Activity)	1
Foreign Language 1001	3	Foreign Language 1002	3
Elective**	3	Elective**	3
	16		15

JUNIOR YEAR

PHYS 1260,1261 (Gen Phys II)	3,1	CHEM 3250,3251 (Quant. Analysis)	3,2
Foreign Language 2003	3	Foreign Language 2004	3
Social Science	3	Social Science	3
Elective**	6	Humanities	3
	16		14

SENIOR YEAR

CHEM 3850,3851 (Intro Phys Chem)	4,1	CHEM 3450, 3451 (Inorganic Chem)	3,1
Elective**	10	Elective**	6
	15	Social Science, Humanities, Fine Arts, Science, or Math	3
			13

*Students may choose to replace MATH 2121 and 2122 (6 s.h. sequence) with the following sequence: MATH 1083, MATH 2171 and MATH 2172 (11 s.h. sequence). Adjust elective hours accordingly.

**An elective can be any course in any department. Consider taking prerequisites for graduate or professional schools when this degree plan lists "elective."

CHEMISTRY@ECU.EDU

Total hours completed:	120
Updated:	03/2024
Confirmed:	LJB