



Bachelor of Arts: Chemistry
School of Mathematics, Science and Engineering

Freshman Year: Fall		Hrs.	Freshman Year: Spring		Hrs.
CHEM 1301: Chemical Principles I		3	CHEM 1302: Chemical Principles II		3
CHEM 1101: Chemical Principles I Lab		1	CHEM 1102: Chemical Principles II Lab		1
BIOL 1402: Unity of Life and Lab		4	ENGL 1312: Composition II		3
DWHP 1200: Dimension of Wellness		2	MATH 1311: Pre-Calculus		3
ENGL 1311: Composition I		3	PEHP 11XX		1
HIST 13XX		3	Elective		3
Total hours		16	Total hours		14
Sophomore Year: Fall			Sophomore Year: Spring		
CHEM 2311: Organic Chemistry I		3	CHEM 2312: Organic Chemistry II		3
CHEM 2111: Organic Chemistry I Lab		1	CHEM 2112: Organic Chemistry II Lab		1
MATH 2312: Calculus I		3	MATH 2313: Calculus II or MATH 2303: Statistics		3
ENGL 2310: World Literature Studies		3	RELS 13XX		3
PHIL 1381: Introduction to Philosophy		3	Modern Language II		3
Modern Language I		3	Fine Arts		3
Total hours		16	Total hours		16
Junior Year: Fall			Junior Year: Spring		
Chemistry Elective group I from approved list		5	Chemistry Elective group II from approved list		5
Minor course		3	Minor Course		3
PHYS 2105: Physics I Lab		1	PHYS 2106: Physics II Lab		1
PHYS 2305: Physics I		3	PHYS 2306: Physics II		3
RELS/PHIL 33XX		3	Social Science		3
Total hours		15	Total hours		15
Senior Year: Fall			Senior Year: Spring		
Chemistry Elective group III from approved list		5	Chemistry Elective group IV from approved list		5
Minor Course		3	Minor Course		3
Minor Course		3	Minor Course		3
Elective		3	Elective		3
		14	Total Hours		14
UIW Core - Total Hour		43			
Major - Total Hours		36			
Degree - Total Hours		120			

Four elective groups from this list

- a. CHEM 3321 Quantitative Analysis AND CHEM3221 Quantitative Analysis Laboratory
- c. CHEM 4331 Physical Chemistry: Thermodynamics AND CHEM4231 Physical Chemistry:Thermodynamics Laboratory
- e. CHEM 3341 Inorganic Chemistry
- g. CHEM 4351/BIOL 4351 Biochemistry I AND CHEM 4251/BIOL 4251 Biochemistry I Laboratory

- b. CHEM 4322 Instrumental Analysis AND CHEM4222 Instrumental Analysis Laboratory
- d. CHEM4332 Physical Chemistry: Quantum Chemistry CHEM4132 Physical Chemistry: Quantum Mechanics Laboratory
- f. CHEM 3342 Coordination and Solid State Chemistry AND CHEM 3142 Experimental Methods in Inorganic Chemistry
- h. CHEM 4352/BIOL 4352 Biochemistry II AND CHEM 4252/BIOL 4252 Biochemistry II Laboratory