

East Central University
Chemistry - B.S.
0100/UG24

Student Name:		Student ID #	
30 hours at ECU completed		Advisor:	
60 hours at Sr college completed			
40 hours upper level completed			
		OSRHE Computer Proficiency Requirement met	

Requirements	Hours	Hours
<i>Courses highlighted in blue are general education courses.</i>		

I. General Education	40
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A maximum of twelve hours may be counted in both the major/related work and general education.

II. Major in CHEMISTRY	37-38
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A. Required in Chemistry Core	20
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|-----------|-------------------------|--|
| CHEM 1114 | General Chemistry I | |
| CHEM 1214 | General Chemistry II | |
| CHEM 3114 | Organic Chemistry I | |
| CHEM 3214 | Quantitative Analysis I | |
| CHEM 4114 | Organic Chemistry II | |

C. Required in Chemistry Concentration	14
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|-----------|------------------------------|--|
| CHEM 3484 | Instrumental Analysis | |
| CHEM 4213 | Biochemistry | |
| CHEM 4413 | Advanced Inorganic Chemistry | |
| CHEM 4514 | Physical Chemistry I | |

D. Required Electives	3-4
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At least 3 hours from the following:

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|-------------|---|--|
| CHEM 4221 | Biochemistry Laboratory | |
| CHEM 4421 | Advanced Inorganic Chemistry Laboratory | |
| CHEM 4614 | Physical Chemistry II | |
| CHEM 4981-4 | Seminar in Chemistry
(Subject named in title listing) | |
| CHEM 4991-4 | Individual Studies in Chemistry
(Subject named in title listing) | |

III. Related Work	22-30
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|-----------|-----------------------------------|
| BIOL 1114 | General Biology |
| MATH 1513 | College Algebra † |
| MATH 1713 | Trigonometry † |
| MATH 2825 | Calculus and Analytic Geometry I |
| MATH 3025 | Calculus and Analytic Geometry II |
| PHYS 1114 | General Physics I OR |
| | PHYS 2115 Engineering Physics I |
| PHYS 1214 | General Physics II OR |
| | PHYS 2225 Engineering Physics II |

Recommended Related Work

Geology, additional physics, biology (not BIOL 1114), and computer science

IV. Minor (Required)	18-33
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The minor with the chemistry major must be biology, environmental health science, mathematics, or physics

V. Electives	0-15
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An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VI. Total Hours Required	120
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VII. Special Requirements

† With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825

“Teachers” or “methods” courses do not count in the major.