EAST CENTRAL UNIVERSITY

CHEMISTRY - B.S. 0100/UG18

	ID No
/ing	Work lacking:
	Major (inc A/C and Related Work)
-	Minor (incl Rel Wk)
	Prof Educ
	General Educ

CHEM 4213 Biochemistry CHEM 4413 Advanced Inorganic Chemistry CHEM 4514 Physical Chemistry I D. Required Electives At least 3 hours from the following: CHEM 4221 Biochemistry Laboratory CHEM 4421 Adv Inorganic Chemistry Lab CHEM 4421 Physical Chemistry Lab CHEM 4981-4 Seminar in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing)	udent's Name		ID No		
2.0 minimum required in the following areas: CU Avg		ENROLLMENT			
B. Required Reducation	equired: 24 total hours completed 25 total hours completed 26 to 5 of last 30 must be at ECU) 17 to 6 to	2.0 minimum require areas: ECU Avg Rtn Major Overall Avg _ Major ECU Avg	Avg (inc A/C Avg Minor (incl Re Prof Educ General Educ	el Wk)	
MATH 1713 Trigonometry MATH 2825 Calculus & Analytic Geometry I MATH 3025 Calculus & Analytic Geometry II General Physics I OR	REQUIREMENTS HOUR	<u>ss</u>	REQUIREMENTS	<u>HOURS</u>	
Major in Chemistry 37-38 Major in Chemistry 37-38 A. Required General Education CHEM 1114 General Chemistry I B. Required in the Chemistry Core CHEM 2124 General Chemistry II CHEM 3114 Organic Chemistry I CHEM 3114 Organic Chemistry II CHEM 3214 Quantitative Analysis I CHEM 421 Organic Chemistry II D. Required Electives At least 3 hours from the following: CHEM 421 Organic Chemistry Laboratory CHEM 421 Organic Chemistry Laboratory CHEM 421 Organic Chemistry II CHEM 4991-4 Individual Study in	11 hours (BIOL 1114, CHEM 1114 and MATH	1513)	MATH 1713 Trigonometry MATH 2825 Calculus & Analytic Ge	cometry I	
A. Required General Education A. Required General Education CHEM 1114 General Chemistry I General Chemistry I General Chemistry II CHEM 3114 Organic Chemistry II CHEM 3114 Organic Chemistry II CHEM 3114 Organic Chemistry II CHEM 3214 Quantitative Analysis I CHEM 4114 Organic Chemistry II CHEM 3484 Instrumental Analysis CHEM 4213 Biochemistry CHEM 4514 Physical Chemistry I D. Required Electives Advanced Inorganic Chemistry I D. Required Electives CHEM 4221 Biochemistry Laboratory CHEM 421 Adv Inorganic Chemistry Lab CHEM 4421 Adv Inorganic Chemistry Lab CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) Related Work 22-30 PHYS 21214 General Physics II OR PHYS 2225 Engineering Physics II OR CRecommended Related Work C. Recommended Related Work Geology, additional physics, biology (not BIOL 1114), and computer science Geology, additional physics, biology (not BIOL 1114), and computer science IV. Minor (Required) 18-21 The minor with the chemistry major must be biology, environment health science, mathematics or physics. V. Electives VI. Total Hours Required VII. Special Requirements VII. Special Requirements VII. Special Requirements With departmental approval, students may omit MATH 1513 and MATH 1713 begin with MATH 2825. "Feachers" or "methods" courses do not count in the major. The OSRHE computer proficiency graduation requirement will be met throe completion of one of the courses in the institution's general education completion of one of the courses in the institution's general education completion of one of the courses in the institution's general education completion of one of the courses on the computer skills requirement was realistated courses on the computer skills requirement was realistated completion of nasociate of Arts or Associate of Science degree and Nelahoma two-year of these courses (all Courses may not have challenge exan of the course of these courses (all Courses may not have challenge exan for none of these courses (all Courses may not have challenge	Other hours needed	33	PHYS 1114 General Physics I OR		
A. Required General Education CHEM 1114 General Chemistry I B. Required in the Chemistry Core CHEM 1214 General Chemistry II CHEM 3214 Organic Chemistry II CHEM 3214 Organic Chemistry II CHEM 4114 Organic Chemistry II CHEM 4213 Biochemistry CHEM 4213 Advanced Inorganic Chemistry CHEM 4413 Advanced Inorganic Chemistry CHEM 4514 Physical Chemistry II D. Required Electives At least 3 hours from the following: CHEM 4221 Adv Inorganic Chemistry Laboratory CHEM 4421 Advanced Inorganic Chemistry Laboratory CHEM 4421 Advanced Inorganic Chemistry CHEM 491-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry CHEM 499	Major in Chemistry	37-38	PHYS 1214 General Physics II OR		
B. Required in the Chemistry Core CHEM 1214 General Chemistry II CHEM 3114 Organic Chemistry I CHEM 3114 Organic Chemistry I CHEM 4114 Organic Chemistry II CHEM 4114 Organic Chemistry II CHEM 4114 Organic Chemistry II CREM 4115 Organic Chemistry II CREM 4216 Organic Chemistry II CHEM 4217 Organic Chemistry II CHEM 4218 Dischemistry CHEM 4219 Advanced Inorganic Chemistry CHEM 4210 Physical Chemistry I D. Required Electives At least 3 hours from the following: CHEM 4221 Adv Inorganic Chemistry Lab CHEM 4211 Adv Inorganic Chemistry Lab CHEM 4211 Adv Inorganic Chemistry Lab CHEM 4211 Adv Inorganic Chemistry I CHEM 4211 Adv Inorganic Chemistry I CHEM 4211 Adv Inorganic Chemistry Lab CHEM 4211 Adv Inorganic Chemistry I CHEM 4981-4 Seminar in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 General Education BIOL 1114 General Biology MATH 1513 College Algebra		4			
C. Required in the Chemistry Major CHEM 3484 Instrumental Analysis CHEM 4213 Biochemistry CHEM 4413 Advanced Inorganic Chemistry CHEM 4514 Physical Chemistry I D. Required Electives At least 3 hours from the following: CHEM 4221 Biochemistry Laboratory CHEM 4221 Biochemistry Laboratory CHEM 4421 Adv Inorganic Chemistry Lab CHEM 4421 Adv Inorganic Chemistry I CHEM 4981-4 Seminar in Chemistry (Subject named in title listing) CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) Related Work 22-30 Required General Education BIOL 1114 General Biology MATH 1513 College Algebra	B. Required in the Chemistry Core CHEM 1214 General Chemistry II CHEM 3114 Organic Chemistry I CHEM 3214 Quantitative Analysis I	16	Geology, additional physics, biology (not and computer science IV. Minor (Required) The minor with the chemistry major mus	18-21	
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D. Required Electives At least 3 hours from the following: CHEM 4221 Biochemistry Laboratory CHEM 4421 CHEM 4981-4 CHEM 4991-4 Individual Study in Chemistry (Subject named in title listing) CHEM 4991-4 Related Work A. Required General Education BIOL 1114 General Biology MATH 1513 Mith departmental approval, students may omit MATH 1513 and MATH 1713 begin with MATH 2825. "Teachers" or "methods" courses do not count in the major. The OSRHE computer proficiency graduation requirement will be met thro completion of one of the courses in the institution's general education compliteracy option (including equated or substituted courses) or testing out of challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses may not have challenge exam for one of these courses (all courses) or requirement was repaired to the courses of the course of the	CHEM 4213 Biochemistry CHEM 4413 Advanced Inorganic Chemistry	y		124	
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MINOR	BIOL 1114 General Biology	7			
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