

**MICHIGAN STATE BOARD OF EDUCATION
PERIODIC REVIEW/PROGRAM EVALUATION**

SUMMARY OF COURSE REQUIREMENTS FOR SPECIALTY STUDIES PROGRAM

Institution: Eastern Michigan University Date: 7/7/03

Specialty Studies Program: Chemistry Major/Minor with Secondary Teaching Certification

Program Standards: NSTA Standards Date: November 1998

Program Contact Person(s): Vance Kennedy, Ph.D.

DIRECTIONS: On the matrix below, list the required courses for this specialty studies program. Also, indicate the number of electives and any special considerations that apply. In addition to listing the course title, course number, and course semester hours, please indicate whether the course is required for the secondary major or minor, elementary major or minor, the K-12 major or minor, and/or an endorsement.

Course Title	Course Number	Sem. Hours *	Elementary		Secondary		K-12		Endors.
			Maj.	Min.	Maj.	Min.	Maj.	Min.	
General Chemistry I	CHEM 121	3			3	3			
Gen. Chem. I, Lab	CHEM 122	1			1	1			
General Chemistry II	CHEM 123	3			3	3			
Gen. Chem. II, Lab	CHEM 124	1			1	1			
Organic Chemistry	CHEM 270	4				4			
Organic Chem. Lab.	CHEM 271	1				1			
Quantitative Analysis	CHEM 281	4			4	4			
Fund. Of Physical Chem.	CHEM 361	3			3				
Organic Chemistry I	CHEM 371	3			3				
Organic Chemistry II	CHEM 372	3			3				
Organic Chemistry, Lab	CHEM 373	2			2				
Instrumentation for Chemical Technology	CHEM 381	2			2				
Biochemistry I	CHEM 451	3			3				
Additional Chemistry Level 200 and above	several	7				7			
Additional Chemistry Level 300 or 400	several	4			4				
Total Number of SEMESTER HOURS required for each option offered:					32	24			

* If the institution assigns a different type of credit, please convert to semester hours.							
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Please provide descriptions for all courses contained on the above listing. Descriptions must provide enough information to show that standards could logically be met in these courses.