

**MICHIGAN STATE BOARD OF EDUCATION
PERIODIC REVIEW/PROGRAM EVALUATION
SUMMARY OF COURSE REQUIREMENTS FOR SPECIALTY STUDIES PROGRAM**

Institution: Eastern Michigan UniversityDate October 10, 2002Specialty Studies Program Computer Science (NR)Program Standards: MDEStandards Date: November 16, 2000Program Contact Person(s): Mildred D. Lintner

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.	
Course Title	Course Number	Sem. Hours *			Secondary				
					Maj.	Min.			
Computers for the Non-specialist	COSC 136	3			X	X			X
Computer Science I	COSC 138	3			X	X			X
Computer Science II	COSC 238	3			X	X			
Assembly and Machine Language Programming	COSC 239	3			X	X			
Discrete Mathematical Structures	COSC 330	3			X				
Data Structures	COSC 334	3			X	X			
Programming Languages for Educators	COSC 336	3			X	X			X
Applications in Computer Science	COSC 340	3			X	X			X
Methods of teaching Computer Science in the Secondary School	COSC 346	3			X	X			X
Seminar and Project Design for Educators	COSC 490	3			X				
Fundamentals of Computer Science I	COSC 504	4							X
Fundamentals of Computer Science II	COSC 505	4							X
Restricted Elective: one of the following: PLSC 382 (Politics in the 21 st Century), ANTH 379 (Contemporary Issues in Developing and Modern Technological Societies), HIST 290 (Introduction to the History of Technology), ECON 386 (Technology and Economic Growth), SOCL 462 (Complex Organizations), INDT 495 (Technology, Values and the Future).					X				
Total Number of SEMESTER HOURS <u>required</u> for each option offered:					33	24			23

The course descriptions for the above undergraduate courses may be viewed at

http://www.emich.edu/coe/catalogs/ugrad/coa_crs/cosc_crs.html

The graduate courses are found at http://www.emich.edu/coe/catalogs/grad/coa_crs/cosc_crs.html

Information about the major is located at http://www.emich.edu/coe/catalogs/ugrad/cosc_ed/cosc_mjr.html