

MICHIGAN STATE BOARD OF EDUCATION
PERIODIC REVIEW/PROGRAM EVALUATION

SUMMARY OF COURSE REQUIREMENTS FOR SPECIALTY STUDIES PROGRAM

Institution: Eastern Michigan University Date: June 24, 2003

Specialty Studies Program: Physics Major/Minor with Secondary Teacher Certification

Program Standards: NSTA Standards Date: November 1998

Program Contact Person(s): Marshall Thomsen

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.	
Astronomical Invest.	ASTR204	1			1				
Principles of Astronomy	ASTR205	4			4				
Mechanics and Sound	PHY223	5			5	5			
Electricity and Light	PHY224	5			5	5			
Intermediate Mechanics	PHY330	3			3	3			
Electricity & Magnetism I	PHY350	3			3				
Heat & Thermodynamics	PHY360	4			4	4			
Intro to Modern Physics	PHY370	3			3	3			
Ethical Issues in Phy	PHY406	1			1				
Total Number of SEMESTER HOURS <u>require</u> for each option offered:									
* If the institution assigns a different type of credit, please convert to semester hours.					Continued on next page				

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Course Title	Course Number	Sem. Hours *	Elementary		Secondary		K-12		Endors.
			Maj.	Min.	Maj.	Min.	Maj-	Min.	
Three of the following		3-12			3-12				
(Minors take one)						1-4			
Mechanics Laboratory	PHY332	1							
Modern Physics Lab	PHY372	1							
Vibrations and Sound	PHY436	4							
Optics Laboratory	PHY442	1							
Electronics for Sci	PHY456	4							
Electronic Devices for Scientists	PHY458	4							
Total Number of SEMESTER HOURS <u>required</u> for each option offered:					32	21			
* If the institution assigns a different type of credit, please convert to semester hours.									