

GRAND VALLEY STATE UNIVERSITY
S.M.A.R.T. CENTER
 SCIENCE AND MATHEMATICS ADVISING, RESOURCE AND TRANSITION CENTER
 377 PADNOS
 331-8585

Teacher Certification Planned Program
Physics Major – Secondary Education^{1,2}

Student Name: _____ Date: _____

Address: _____ SID: _____

_____ Phone _____

Transfer Institution(s): _____

Physics Major – Required Courses

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade
PHY 230		Principles of Physics I	5			
PHY 231		Principles of Physics II	5			
PHY 302		Introduction to Modern Physics	4			
PHY 309		Experimental Methods in Physics	4			
PHY 311		Advanced Laboratory II	2			
PHY 330		Intermediate Mechanics	4			
PHY 340		Electromagnetic Fields	4			
PHY 350		Intermediate Modern Physics	4			
PHY 360		Statistical Thermodynamics	4			
PHY 485		Senior Physics Project I	1			
PHY 486		Senior Physics Project II	2			
CHM 115		Principles of Chemistry I	5			
CHM 116		Principles of Chemistry II	5			
CS 162		Computer Science I	4			
MTH 201		Calculus I	5			
MTH 202		Calculus II	4			
MTH 203		Calculus III	4			
MTH 227		Linear Algebra I	3			
MTH 300		Applied Analysis I	3			
MTH 304		Analysis of Differential Equations	3			
		OR				
MTH 302		Linear Algebra & Differential Equations	4			
HSC 201		The Scientific Revolution	3			
		OR				
HSC 202		The Technological Revolution	3			
PHY 105		Descriptive Astronomy	3			
BIO 328		Biomedical Ethics	3			
		OR				
BIO 338		Environmental Ethics	3			
BIO 120		General Biology I	4			

Special Considerations:

¹All students seeking teacher certification are required to assist for at least 30 clock hours in the department's tutoring program or at least 30 clock hours as a laboratory assistant setting up equipment and demonstrations as well as helping students in a laboratory setting. Required reading and experience in laboratory safety will be part of this laboratory setting.

Notes:

Signature

Date

1 copy student; 1 copy S.M.A.R.T. Center File; 1 copy College of Education.