

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 Minor – Secondary Education**

Student Name: _____ Date: _____

Address: _____ SID: _____

_____ Phone _____

Transfer Institution(s): _____

Physics Minor – Required Courses^{1,2}

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade
PHY 230		Principles of Physics I	5			
PHY 231		Principles of Physics II	5			
PHY 105		Descriptive Astronomy	3			
PHY 302		Introduction to Modern Physics	4			
		6 additional hours of electives from the following courses:				
PHY 309		Experimental Methods in Physics	4			
PHY 311		Advanced Laboratory II	2			
PHY 320		Optics	4			
PHY 330		Intermediate Mechanics	4			
PHY 340		Electromagnetic Fields	4			
PHY 350		Intermediate Modern Physics	4			
PHY 360		Statistical Thermodynamics	4			
PHY 370		Solid State Physics	4			

Special Considerations:

¹ All students seeking teacher certification are required to assist for at least 30 clock hours in the department's tutoring program and 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.

² Most physics courses have math pre-requisites.

The Physics minor requires a minimum of 24 credits.

Notes:

Signature

Date