

WSU College of Education Teacher Education Program Physics Endorsement

Requirements: 66-74 Credit Hours

Name: _____

WSU ID #: _____

Date: _____

Prefix	Course	Crs.	Grade	Sem.	Notes
PHYSICS 201/205	Physics for Scientists and Engineers I/Honors	3/5			
PHYSICS 202/206	Physics for Scientists and Engineers II/Honors	3/5			
PHYSICS 303	Modern Physics I	3			
PHYSICS 304	Modern Physics II	3			
PHYSICS 410/415/514	Electronics/Quantum Physics Lab/Optoelectronics Lab I	1-3			Choose one
PHYSICS 499*	Special Problems- Observe Physics 101	2			
PHYSICS 499*	Special Problems- Observe Physics 102	2			
SCIENCE/BIOLOGY 430	Methods of Teaching Science	3			
ASTRONOM 345	Principles of Astronomy	3			

*Students observe and develop a manual on physics demonstrations in the algebra based physics course.

Additional Required Coursework:

Prefix	Course	Crs.	Grade	Sem.	Notes
BIOLOGY 106	Intro Biology: Organismal Biology	4			
CHEM 105	Principles of Chemistry I	4			
CHEM 106	Principles of Chemistry II	4			
MATH 171	Calculus I	4			
MATH 172	Calculus II	4			
MATH 273	Calculus III	2			
MATH 315	Differential Equations	3			

Choose Two (2) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
PHYSICS 320	Mechanics	3			
PHYSICS 330	Thermal Physics	3			
PHYSICS 341	Electricity and Magnetism I	3			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
MATH 220	Introductory Linear Algebra	2			
MATH 225	Linear Algebra with Modern Applications	3			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
PSYCH 311	Elementary Statistics in Psychology	4			
STAT 212	Intro to Statistical Methods	4			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
PSYCH 311	Elementary Statistics in Psychology	4			
STAT 212	Intro to Statistical Methods	4			
STAT 412	Statistical Methods in Research I	3			

Choose One (1) of the Following:

Prefix	Course	Crs.	Grade	Sem.	Notes
HISTORY 381	Science in Western Civ. to Newton	3			
HISTORY 382	Science in Western Civ.: Newton-Einstein	3			
HISTORY 483	Technology and Social Change 1950	3			
SOC 430	Society and Technology	3			
HONORS 390	Global Issues in the Sciences	3			

^Endorsements designate the subject matter an individual is authorized to teach.

^The above requirements are for the teaching endorsement only and do not necessarily fulfill the requirements for a major/minor. The student is responsible for all course prerequisites and for satisfying departmental requirements for graduation.