

# Certificate in Science Teaching Physics

From the study of basic forces to investigating the farthest reaches of the universe, this certificate allows the student to meet varying interests or focus on a single area, such as mechanical physics or astronomy.

Complete 12 credits selected from the below list, or other approved credits from the MS in Science Education (MSSE) Program Course Catalog (<https://www.montana.edu/msse/course-catalog/>):

EELE 508	Solar Cell Basics for Teachers (Summer-On Campus)	2
PHSX 511	Astronomy for Teachers (Fall-Online)	3
PHSX 512	General Relativity Online (Spring-Online)	3
PHSX 513	Quantum Mechanics Online (Summer-Online)	3
PHSX 514	Comparative Planetology Online (Fall-Online)	3
PHSX 571	Electric Circuits and Magnetism for Teachers (Summer-Online)	3
PHSX 572	Space Science for Elementary Teachers (Fall-Odd Years-Online)	1
PHSX 573	The Science of Sound for Teachers (Spring-Online)	2
PHSX 574	World of Motion & Force for Elem/MS Teachers (Summer-Online)	2
PHSX 579	Special Relativity for Teachers (Fall-Online)	3
PHSX 580	Conceptual Physics for Teachers (Summer-Online)	3
PHSX 582	Astrobiology for Teachers Online (Spring-Online)	3
PHSX 584	Physics by Inquiry: Light & Color for Teachers (Summer-Odd Years-On Campus)	2
PHSX 586	Physics by Inquiry: Heat & Temperature for Teachers (Summer-Even Years-On campus)	2
PHSX 587	Physics by Inquiry: Geometric Optics for Teachers (Summer-Odd Years-On campus)	2
PHSX 597	Physics of Renewable Energy for Teachers (Summer-Online)	3