

Graduate Certificate in Teaching Elementary School Science

This certificate is designed to give K-8 teachers a basic understanding of a broad range of topics in physical science, life science and earth/space science. These courses are specially designed to help K-8 teachers integrate inquiry-based science into the classroom while improving their own science content knowledge.

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/>):

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BIOE 536	A Study of Local Ecosystems for Teachers (Fall-Online)	2
BIOE 585	Exploring Biology for Teachers (Spring-Online)	3
ERTH 523	Weather for Elementary and Middle School Teachers (Spring-Online)	3
ERTH 524	K-14 Earth System Science (Fall-Online)	3
ERTH 525	Landforms for Elementary Teachers (Summer-Online)	1
MSSE 501	Inquiry Sci Eng Prac (Fall, Spring, Summer-Online)	2
MSSE 502	Emerging Technology and the Science Classroom (Summer-Online)	2
MSSE 503	Integrating Literature into the Biology/Life Science Classroom (Spring-Online)	3
MSSE 511	STEM Methods for Teachers (Spring-Odd Years-Online)	2
MSSE 518	Master Teaching Strategies for Science Teachers (Spring-Odd Years-Online)	3
MSSE 536	Construction Curriculum in Science Education (Summer-Odd Years-Online)	2
MSSE 537	The 3 D's of NGSS (Summer-Even Years-Online)	2
NUTR 526	Nutrition for Fitness/Performance (Spring-Online)	3
PHSX 514	Comparative Planetology Online (Summer-Online)	3
PHSX 571	Electric Circuits and Magnetism for Teachers (Summer-Online)	3
PHSX 572	Space Science for Elementary Teachers (Fall-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
PSPP 521	Plant Science for Teachers: It Grows on You (Summer-Online)	1
PSPP 522	Insect-ology for Teachers (Summer-Online)	3
BIOH 585	Human Dissection for Teachers	2