



Science: Middle Level Education B.A. Major with STEM Teaching Program Minor (Middle Level Science (4-9th))

This major partially satisfies the criteria for a teaching endorsement in Middle Level Science (4-9), qualifying students to teach science at the middle school or junior high levels. It may also be appropriate for students preparing to teach in informal science education settings, such as museums. Students who successfully complete the Science: Middle Level Education, BA and STEM Teaching Program Minor (an alternative to the Professional Education Program) are eligible to apply for Washington State teacher certification. Teacher certification candidates must receive a C grade or higher in all major and STEM Teaching Program courses, have a GPA of at least 3.0 for either the last 45 graded quarter credits or overall CWU/transfer cumulative, and meet all Washington State teacher certification requirements. See the middle level science and STEM Teaching advisors as soon as possible to develop a course of study.

Pre-Requisites

MATH 153/154 completed Major/Minor applications completed Entry to major survey completed

Required Courses	Credits	Plan	Completed
Science: Middle Level Education B.A. (Major)			
PHYS 106 Physics Inquiry	5		
CHEM 106 Chemistry Inquiry	5		
GEOL 106 Earth Science Inquiry	5		
BIOL 106 Life Science Inquiry	5		
PHYS 101 Introductory Astronomy I or PHYS 102 Introduction to Astronomy	4-5		
SCED 311 Science Concepts for Teachers	5		
SCED 320 Genetics and Cell Biology Concepts	5		
SCED 354 Science, Society, and the Teaching Community	3		
Science Education Department Approved Electives at the 300-level or higher (one can be math) 7-8 credits	7-8		
MLScience major subset:	45-46		
STEM Teaching Program (Minor)			
<i>Pre-admission courses (must complete before full admission)</i>			
STP 301 Inquiry Approaches to Teaching	OR STP 302A Inquiry Based Teaching & Lesson Design (4)	2	
STP 302 Inquiry Based Lesson Design		2	
<i>Fully Admitted Courses (must be fully admitted to Teacher Certification)</i>			
STP 303 Knowing and Learning (pre-req to all following classes)	4		
STP 304 Classroom Interactions 1	4		
STP 305 Classroom Interactions 2	4		
STP 306 Project-Based Instruction	3		
STP 307 Functions and Modeling	3		
STP 308 Historical Perspectives in STEM Education	3		
STP 309 Research Methods	3		
EFC 480 – Student Teaching (Must meet all Student Teaching Requirements)	16		
Minor subset:	44		
Total Credits:	89-90		



EXAMPLE 4-Year Plan – Meet with your major and STP advisor to individualize your plan before registering for classes.

	Fall	Winter	Spring
Freshman Year	Gen Ed 14-16 Total 14-16	Gen Ed 14-16 Total 14-16	Gen Ed 14-16 Total 14-16
Sophomore Year	Gen Ed 8-10 Phys 101 5 STP 301 2 Total 15-17	Gen Ed 8-10 Geol 106 5 STP 302 2 Total 15-17	Bio 106 5 Chem 106 5 STP 303 4 Total 14
Junior Year	Phys 106 5 SCED 320 5 STP 304 4 Total 14	Gen Ed 4 SCED 311 5 STP 305 4 Total 13	Gen Ed 4-5 SCED 354 3 STP 306 3 STP 307 3 Total 13-14
Senior Year	SCED Elec 4 SCED Elec 4 STP 308 3 STP 309 3 Total 14	EFC 480 16 Total 16	

Student Name: _____ ID#: _____

Email: _____

Signature _____ Date: _____

STEM Teaching Minor Advisor Signature: _____ Date: _____

Major Advisor Signature: _____ Date: _____