



## Elementary Education-Science Education Minor Advisee Information Sheet

Welcome to the Elementary Science Teaching Program at Central Washington University. This program strengthens your knowledge and skill in science education. Our rigorous and engaging program will provide you with excellent preparation to be an effective elementary science teacher.

Admission to this minor is limited to students majoring in elementary education, early childhood education or special education. This minor does not lead to endorsement as a specialized science teacher. There are three main goals for this minor. Students who complete this minor will:

- develop a deeper understanding of the earth, life and physical sciences;
- build an appreciation for the variety of methods in different fields of science; and
- acquire skills and knowledge leading to quality teaching of a variety of science subjects.

As you begin the program, there are several important reminders:

**Keep all assignments** (paper and electronic) from all courses in your CWU program. If you are a transfer or post-baccalaureate student, be sure to keep files from previous institutions. You will need them to provide evidence of your academic and professional growth.

**Back up computer files regularly** to prevent loss. Each student will be required to provide evidence of their learning in an electronic portfolio in their Science in the Elementary Schools course (SCED 322). It is each student's individual responsibility to keep their files safe and accessible.

**Meet with your advisor early and often.** Your science advisor is here to help efficiently guide you through the elementary science minor program. Regular meetings will prevent miscommunication and ensure timely completion of your individual program.

### Required Courses

COURSES	Credits	Plan	Completed
<b>Science Education Courses</b>			
SCED 301 Interdisciplinary Science Inquiry†	5		
SCED 322 Science in the Elementary Schools †**	4		
SCED 354 Science, Society, and the Teaching Community	3		
SCED 422 Advanced Teaching Strategies in Elementary Science† ***	5		
<b>Science Courses</b>			
Three lower division science courses with labs (select one course from each of the following areas: life science, physical science, earth and space science)	14-15		
<i>Recommended courses from which to choose:</i>			
Life Science - one lecture with one LAB			
BIOL 101* Fundamentals of Biology	5		
Physical Science - one lecture with one LAB			
CHEM 101/101LAB* Contemporary Chemistry	5		
PHYS 103/103LAB	5		
PHYS 106* Physics by Inquiry	5		
PHYS 111/111LAB* Introductory Physics	5		



Earth and Space Science - one lecture with one LAB			
GEOL 101/101LAB* Physical Geology	5		
GEOL 102/101LAB* Geology National Parks	5		
PHYS 101/101LAB* Introductory Astronomy I	5		
PHYS 102/101LAB* Introductory Astronomy II	5		
<b>TOTAL</b>	<b>31-32</b>		

† Course has pre-requisites you must fulfill.

\*Course also satisfies general education natural science requirement. The science courses listed here are pre-approved with degree check-out. Many other science courses with labs may satisfy the requirements for this minor, but course substitution forms will need to be filled out

\*\* Also a required course for Elementary Education Major

\*\*\*Course qualifies as elementary education major elective.

**Elementary Education-Science Education Minor Plan Approval**

Student Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Science Education Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_