

EARTH AND SPACE SCIENCE/ SECONDARY MINOR

This minor satisfies the endorsement for grades 5–12.

Required Courses

GEOS 111	THE EARTH'S INTERIOR	5
GEOS 112	THE EARTH'S SURFACE	5
GEOS 222	THE EARTH THROUGH TIME	5
GEOS 305	INTRODUCTION TO OCEANOGRAPHY	5
GEOS 314	WEATHER FORECASTING	5
PHYS 121	DESCRIPTIVE ASTRONOMY	5
SCED 390	SCIENCE TEACHING METHODS	5

Total Credits **35**

Students who earn an Earth and Space Science/Secondary minor from EWU should be able to:

- demonstrate an understanding of the disciplinary core ideas of Earth and Space Science and can guide the learning of others in key principles of earth and space science outlined in the Next Generation Science Standards (NGSS);
- apply science and engineering practices in NGSS;
- incorporate instructional materials and teaching strategies to a community of diverse students;
- explain how cross-cutting ideas bridge disciplinary boundaries, uniting core ideas throughout the fields of science and engineering;
- appropriately respond to potential safety hazards in different learning environments, ,e.g., laboratory, classroom, field.