University of New Hampshire

SUBJECT AREA REQUIREMENTS FOR CERTIFICATION IN
EARTH SCIENCE (7-12)

In addition to or as part of the requirements below, students who pursue earth science science certification (7-12) at UNH must:

a. Possess an undergraduate degree with a major in and area of Earth/Space science or
b. Possess an undergraduate degree that includes coursework equivalent to an undergraduate major in the Earth/Space sciences (typically 40-48 credits or 10-12 courses).

ESCI 401 Dynamic Earth
or ESCI 409 Geology and the Environment
ESCI 402 Earth History
PHYS 406 Introduction to Modern Astronomy
ESCI 501 Introduction to Oceanography
GEOG 473 The Weather
CHEM 403 & 404 General Chemistry I & II
PHYS 401 & 402 Introduction to Physics I & II
MATH 425 & 426 Calculus I & II

Electives 12: credits from intermediate / advanced earth/space science course (For UNH Earth Science Teaching majors, courses must be taken in ESCI, and at least one course must be writing-intensive.)

Education Requirements for Earth Science Certification

EDUC 500 /935 Exploring Teaching
EDUC 700/800 Educational Structure and Change
EDUC 701/801 Human Development and Learning
EDUC 705/805 Alternative Perspectives on the Nature of Education
EDUC 707/807 Teaching Reading Through the Content Area (2 credits)
EDUC 751/851B Educating Exceptional Learners
EDUC 791/891 Methods of Teaching Secondary School Science
EDUC 900, 901 Internship & Seminar in Teaching (12 credits)

Recommended Education Courses

EDUC 703/ 803H Experiential Learning
EDUC 720/820 Integrating technology in the classroom

**Any Education course taken for a teacher licensure requirement must be completed with a grade of B- or better. This applies to any courses from other departments that have been designated as equivalent to an Education course.

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