

## **Earth Science Certification (7-12)**

Students pursuing Earth Science Certification (7-12) through a UNH teacher education program must possess an undergraduate degree with a major in an area of Earth/Space science or 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).

### **Earth Science course requirements**

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 course requirements**

\*EDUC 500/935A Exploring Teaching

EDUC 605 Educational Perspectives in Critical Times

EDUC 701/801 Human Development & Learning: Educ Psyc

EDUC 707/807 Teaching Reading through the Content Areas

EDUC 751B/851B Educating Exceptional Learners: Secondary

EDUC 791/891 Methods of Teaching Secondary School Science

EDUC 900A & EDUC 901A Internship & Seminar in Teaching (2 semesters Fall and Spring)

\*Indicates course work must be completed before the internship

### **Recommended Education Course**

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.

### Degrees (Minimum of 32 Graduate credits)

<p>M.Ed. In addition to the 12 credit internship, 10 graduate credits must be UNH Education courses. The remaining graduate credits can be in Education, Earth Science or another department.</p>	<p>M.A.T. In addition to the 12 credit internship, three graduate level courses (9-12 credits) must be in Earth Science. The remaining graduate credits can be in Earth Science, Education or another department.</p>
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Admission to the M.Ed. or M.A.T. is competitive and requires submission of an application to the UNH Graduate School. This includes official transcripts, scores from the Praxis Core exam, personal statement and three letters of recommendations. Thirty-two (32) Graduate credits are the minimum for either degree.

For questions regarding Science course requirements contact Professor Julia Bryce at [Julia.bryce@unh.edu](mailto:Julia.bryce@unh.edu)

For questions regarding Education course requirements contact Cindy Glidden at [cindy.glidden@unh.edu](mailto:cindy.glidden@unh.edu)

**Earth Science course requirements for students who have completed a baccalaureate degree at a school other than UNH**

Students seeking Earth Science Certification (7-12) through a UNH teacher education program must possess an undergraduate degree with a major in an area of Earth/Space science or 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

Equivalent course \_\_\_\_\_

ESCI 402 Earth History

Equivalent course \_\_\_\_\_

PHYS 406 Introduction to Modern Astronomy

Equivalent course \_\_\_\_\_

ESCI 501 Introduction to Oceanography

Equivalent course \_\_\_\_\_

GEOG 473 The Weather

Equivalent course \_\_\_\_\_

CHEM 403 & 404 General Chemistry I & II

Equivalent course \_\_\_\_\_

PHYS 401 & 402 Introduction to Physics I & II

Equivalent course \_\_\_\_\_

MATH 425 & 426 Calculus I & II

Equivalent course \_\_\_\_\_

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).

Equivalent course \_\_\_\_\_

Equivalent course \_\_\_\_\_

Equivalent course \_\_\_\_\_