

B.A. Earth Sciences Teaching

Resumé for _____

Date admitted to: UNH _____

Advisor _____

ESCI Department _____

I. Satisfy University requirements:

A. Discovery Foundation; 10 courses including an **Inquiry course**:

	CR	GR	SEM
1 course in Writing Skills [†]	ENGL	401	4
1 course in Quantitative Reasoning	MATH	425	4
1 course in Biological Sciences*	_____		
1 course in Physical Science*	CHEM	403	4
1 course in Environment, Technology and Society	_____		
1 course in Historical Perspectives	_____		
1 course in World Cultures	_____		
1 course in Fine & Performing Arts	_____		
1 course in Social Science	_____		
1 course in Humanities	_____		

*One of these courses must be taken with a lab.

B. One year of foreign language: _____
(must be fulfilled by the end of soph. year) _____

II. Complete the following 6 courses in Earth Sciences:

Dynamic Earth (ESCI 401) or Geology and the Environment (ESCI 409) ± 1 credit Field Seminar (ESCI 400)	_____	4
Earth History	ESCI 402	4
Introduction to Oceanography	ESCI 501	4

Plus 12 approved credits in intermediate and/or advanced Earth Sciences electives. It is strongly encouraged that Mineralogy (ESCI 512), Geological Field Methods (ESCI 530) or Techniques in Environmental Sciences (ESCI 534), Landscape Evolution (ESCI 561), and one 600 or 700-level course are considered:

ESCI _____

ESCI _____

ESCI _____

III. Complete a Senior Capstone Experience/Course determined in consultation with departmental advisor:

IV. Complete the following 6 courses in geography, physics, chemistry, and math:

	CR	GR	SEM
Elements of Weather	GEOG	473	4
Introduction to Modern Astronomy	PHYS	406	4
Calculus II	MATH	426	4
Introduction to Physics I	PHYS	401/407	4
Introduction to Physics II	PHYS	402/408	4
Chemistry II	CHEM	404	4

V. Satisfy the secondary-school teacher education program in consultation with your advisor in the Department of Education. 7/8xy may be taken as an undergraduate or graduate student:

Exploring Teaching	EDUC	500	4
Educational Structure and Change	EDUC	7/800	4
Human Development and Learning	EDUC	7/801	4
Alternative Persp. on the Nature of Educ.	EDUC	7/805	4
Teaching Reading Through the Content Areas	EDUC	7/807	2
Educating Exceptional Learners	EDUC	7/851	4
Methods of Teaching Secondary Phys. Sci.	EDUC	7/891	4
Internship/Seminar in Teaching (must be taken as a graduate student)	EDUC	900 & 901	6

VI. When choosing electives to complete a total of 128 credits, students should consider additional courses in Earth Sciences and supporting science and math as well as Education (e.g. EDUC 7/820). Students may choose to complete courses that fulfill subject area requirements for a general science certification at the middle school level.

A minimum cumulative grade point average of 2.0 must be achieved for graduation in this major. Students with at least a 3.2 GPA may apply for early admission to the Graduate School during the term before they receive their undergraduate degree.

† Four courses must be writing intensive and include ENGL 401, a course at the 600 or 700 level, and a course in the major. ESCI writing intensive courses are 530, 705, 726, 735, 741, 756, 759, 762, 765 and 799.

Date: _____ Total Credits: _____ GPA: _____ Minor? _____

TENTATIVE SCHEDULE:

“Ideal” Schedule – B.A. Earth Sciences Teaching

Semester 1	Semester 2
ESCI 400 & 401	ESCI 402
MATH 425	MATH 426
CHEM 403	CHEM 404
ENGL 401 or pass placement test	Inquiry Discovery Course*

Semester 3	Semester 4
PHYS 406/GEOG 473/ESCI 501	<i>ESCI 512</i>
<i>ESCI 530 or 534</i>	EDUC 500 apply during preceding term
Foreign Language†	Foreign Language†
Discovery Course*	Discovery Course*

Semester 5	Semester 6
PHYS 406/GEOG 473/ESCI 501	PHYS 406/GEOG 473/ESCI 501
<i>ESCI 561</i>	Discovery Course*
PHYS 401 or 407	PHYS 402 or 408
Discovery Course*	Discovery Course*

Semester 7	Semester 8
EDUC 700(WI)/701(WI)/705(WI)/707/751/791‡	EDUC 700(WI)/701(WI)/705(WI)/707/751/791‡
ESCI 6__ or 7__	EDUC 700(WI)/701(WI)/705(WI)/707/751/791‡
Free Elective°	EDUC 700(WI)/701(WI)/705(WI)/707/751/791‡
Discovery Course*	Senior Capstone

Italicized courses are strongly recommended ESCI courses.

° Free electives should be chosen in consultation with an Earth Sciences advisor. Students are also encouraged to complete courses that fulfill subject area requirements for a general science certification at the middle school level.

* One course must be taken in each of the remaining Disciplinary Groups of the University Discovery Program (Biological Sciences; Environment Technology & Society; Historical Perspectives; World Culture; Fine & Performing Arts; Social Science; Humanities).

† The foreign language requirement may be fulfilled by a full year (8 UNH credits or equivalent) elementary course in any foreign language including American Sign Language, 1 semester (4 UNH credits or equivalent) of any foreign language beyond the elementary level, or by taking a College Board foreign language achievement test.

‡ The sequence of required Education courses should be determined in consultation with an advisor in the Department of Education. To receive full teacher certification, students must complete 32 credits as a Masters student in the Department of Education including a full year of internship (EDUC 900/901). Undergraduate students with a ≥ 3.2 GPA may apply for early admission to the Graduate School and enjoy dual enrollment in their senior year; if accepted, up to three 700/800-level courses (12 credits) may be counted toward both the undergraduate and graduate degrees. An MAT requires the completion of at least three 700/800-level science courses at the graduate level. An M.Ed. requires the completion of at least three 700/800-level education courses at the graduate level.