

EARTH SCIENCE EDUCATION PROGRAM GUIDELINES

BACHELOR OF SCIENCE (GEOL2 BS)

These guidelines summarize the requirements for a Bachelor of Science and partial completion of Connecticut certification requirements in earth science education (7-12) for students following the 2009-2010 requirements.

DEGREE REQUIREMENTS

1. Complete the GENERAL EDUCATION REQUIREMENTS listed in the Academic Regulations of the University of Connecticut Undergraduate Catalog 2009-2010. In addition to the General Education Requirements (Content Areas 1-4), students must take a course in U.S. History. Courses in Content Areas 1-3 must be in different departments.
2. Complete a SUBJECT AREA MAJOR in Earth Science consisting of a minimum of thirty-six (36) credits in natural sciences courses at the 2000's level or above. This includes a minimum of twenty-four (24) credits of 2000's level or above courses completed in the earth sciences and closely related subject areas. Up to twelve (12) credits may be completed in related areas. Six (6) credits taken at the 1000's level may be included with permission of the science education advisor.

Students wishing to specialize in the earth sciences are advised initially to major in geology or physical geography and in addition, to select appropriate courses in meteorology, astronomy, and oceanography.

3. Complete the following PROFESSIONAL EDUCATION REQUIREMENTS:

EDCI 3000/201 – Introduction to Teaching	1 credit
EPSY 3010/221 – Educational Psychology	3 credits
EPSY 3230/240 – Technology in Education	1 credit
EGEN 3100/294 – Seminar/Clinic: The Student as Learner	3 credits
EPSY 3110/207 – Exceptionality	2 credits
EPSY 3125/213 – Classroom and Behavior Management	2 credits
EGEN 3110W/295W – Seminar/Clinic: The Student in the School Context	3 credits
EPSY 4010/252 – Assessment of Learning I	1 credit
EPSY 4015/253 – Assessment of Learning II	1 credit
EDCI 4210W/266W – Instruction and Curriculum in the Secondary School	3 credits
EGEN 4100/296 – Seminar/Clinic: Methods of Teaching	3 credits
EDCI 4010/273 – Teaching Reading and Writing in the Content Areas	2 credits
EDCI 4250/277 – Directed Student Teaching	9 credits
EGEN 4110/297 – Seminar/Clinic: Analysis of Teaching	3 credits

Students must earn at least 120 credits.

MASTER OF ARTS IN EDUCATION

To earn the University of Connecticut's institutional recommendation for teacher certification, students must additionally successfully complete the requirements for the Master of Arts in Education including a minimum of thirty (30) credits (two full-time semesters) of graduate level course work. Requirements are anticipated to include at least:

Research: EPSY 5195 (1 credit fall and 1 credit spring)

Practicum: EDCI 5092 (3 credits fall and 4 credits spring)

Seminar: EDCI 5094 (3 credits fall and 3 credits spring)

Language and Cultural Diversity in Education: (3 credits)

Choose one: EDCI 5700 - Foundations of Bilingual Education, EDCI 5715 - Bilingualism and Second Language Acquisition, EDCI 5720 - Bilingual Education and Biliteracy, EDCI 5890 – Educational Linguistics, EDCI 5750 – Language Diversity and Literacy, EDCI 5895 – Language Ideology & Education, EDCI 5875 – Multicultural Education, EDCI 5740 – Latinos and U.S. Education; EDCI 5765 - Assessment of Bilingualism

Leadership: EDLR 5015 – Teacher Leadership and Organizations (3 credits)

Curriculum Electives and/or Graduate Liberal Arts: (9 credits)

EARTH SCIENCE EDUCATION

SAMPLE SEMESTER SEQUENCE

SEMESTER 1

BIOL 1102/102 (Also fulfills CA 3)	4
CHEM 1127Q/127Q	4
MATH 1120Q/112Q or 1125Q	3 or 4
ENGL 1010/110 or 1011/111	4
INTD 1800/180 (Suggested)	1

SUMMER SESSION

*LANGUAGE	8
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SEMESTER 3

PHYS 1201Q/121Q	4
PHYS 1025Q/155Q	3
PSYC 1100/132 (Also fulfills CA 3)	3
Content Area 1	3
Content Area 4	3

SEMESTER 5

EDCI 3000/201	1
EPSY 3010/221	3
EPSY 3230/240	1
EGEN 3100/294	3
GSCI 3030/252	4
NRE 3145/241	3
GSCI 3020/251	3

SEMESTER 7

EDCI 4210W/266W	3
EPSY 4010/252	1
EPSY 4015/253	1
EGEN 4100/296	3
GSCI 3040/253	4
Subject Area Major (2000-level or above)	3

SEMESTER 2

GSCI 1050/105	4
CHEM 1128Q/128Q	4
HIST 1501/131 or 1502/132 (Also fulfills CA 1)	3
Content Area 4	3
Content Area 2	3

SEMESTER 4

PHYS 1202Q/122Q	4
GSCI 3010/250	3
Subject area major (2000-level or above)	3
Content Area 2	3

SEMESTER 6

EPSY 3110/207	2
EGEN 3110W/295W	3
EPSY 3125/213	2
MARN 4060/270	3
GEOG 3510C/240C	3
Subject Area Major (PHIL 2212/212 suggested)	3

SEMESTER 8

EDCI 4010/273	2
EDCI 4250/277	9
EGEN 4110/297	3

*Required of all students not meeting the University requirements of three years of a single foreign language in high school.

Lower division requirements have been selected to assist students with completing the general education requirements, including two W courses (one must be 2000-level or above and associated with the student's major) and two Q courses (one Q course must be from Mathematics or Statistics).

SEMESTER 9 (Master's)

EDCI 5092 - Practicum	3
EDCI 5094 – Seminar	3
EPSY 5195 – Research course	1
Diversity course (either semester)	3
Leadership course (either semester)	3
Curriculum Elective and/or Graduate Liberal Arts	3-9

SEMESTER 10 (Master's)

EDCI 5092 – Practicum	4
EDCI 5094 – Seminar	3
EPSY 5195 - Research Course	1
Diversity course (either semester)	3
Leadership course (either semester)	3
Curriculum Electives and/or Graduate Liberal Arts	3-9