

CHEMISTRY EDUCATION PROGRAM GUIDELINES BACHELOR OF SCIENCE IN EDUCATION (CHEM2 BS)

These guidelines summarize the requirements for Bachelor of Science and partial completion of Connecticut certification requirements in chemistry 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 Chemistry 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 chemistry 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.

An adequate background in mathematics is also required.

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)

CHEMISTRY EDUCATION

SAMPLE SEMESTER SEQUENCE

SEMESTER 1

BIOL 1107/107 (Also fulfills CA 3)	4
CHEM 1127Q/127Q	4
MATH 1131Q/115Q	4
ENGL 1010/110 or 1011/111	4

SUMMER SESSION

*FOREIGN LANGUAGE	8
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SEMESTER 3

PHYS 1201Q/121Q	4
CHEM 2443/243	3
MATH 2110Q/210Q	4
PSYC 1100/132 (Also fulfills CA 3)	3
CA 1	3

SEMESTER 5

EDCI 3000/201	1
EPSY 3010/221	3
EPSY 3230/240	1
EGEN 3100/294	3
CHEM 3210/210	3
CHEM 3214/214	3
CA 4 & 2	3

SEMESTER 7

EPSY 4010/252	1
EPSY 4015/253	1
EDCI 4210W/266W	3
EGEN 4100/296	3
CHEM 3563/263	3
MCB 3010/204	5

SEMESTER 2

BIOL 1108/108	4
CHEM 1128Q/128Q	4
MATH 1132Q/116Q	4
HIST 1501/131 or 1502/132 (Also fulfills CA 1)	3

SEMESTER 4

PHYS 1202Q/122Q	4
CHEM 2444/244	3
CHEM 2445/245	3
CA 2	3
CA 4	3
SUBJECT AREA MAJOR (2000-Level or above)	3

SEMESTER 6

EPSY 3110/207	2
EGEN 3110W/295W	3
EPSY 3125/213	2
CHEM 3332/232	4
CHEM 3170W/270W	3
ELECTIVE (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