BIOLOGY TEACHING

For the Degree of Bachelor of Science in Liberal Arts and Sciences

See interschool concentrations in Biology (http://catalog.illinois.edu/undergraduate/las/biology), major in Integrative Biology (http://catalog.illinois.edu/undergraduate/las/academic-units/integrative-bio), and major in Molecular and Cellular Biology (http://catalog.illinois.edu/undergraduate/las/academic-units/molecular-cell-bio).

Completion of this concentration fulfills state certification requirements to teach both biology and general science. In order to remain in good standing in this program and be recommended for certification, candidates are required to maintain UIUC, cumulative, content area, and professional education, grade-point averages of 2.5 (A= 4.0). Candidates should consult their advisor or the Council on Teacher Education (http://catalog.illinois.edu/undergraduate/cte) for the list of courses used to compute these grade-point averages.

E-mail: advising@life.uiuc.edu

Minimum required courses normally equate to 79-81 hours

General education: Students must complete the Campus General Education requirements (https://courses.illinois.edu) including the campus general education language requirement. In addition, one course must be selected from CMN 101 or CMN 113.

Twelve hours of 300- and 400-level courses in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours

Departmental distinction: To graduate with distinction, the student must have at least a 3.5 grade point average for all work completed, and present evidence of exemplary student teaching.

Prerequisites to transfer to the Teaching Concentration

EPsy 201 Educational Psychology 3
EPs 201 Foundations of Education 3
or EPs 202 Foundations of Education-ACP
MATH 220 Calculus 5
or MATH 221 Calculus I

Select one of the following sequences:

CHEM 102 General Chemistry I
& CHEM 103 and General Chemistry Lab I
& CHEM 104 and General Chemistry II
& CHEM 105 and General Chemistry Lab II

CHEM 202 Accelerated Chemistry I
& CHEM 203 and Accelerated Chemistry Lab I
& CHEM 204 and Accelerated Chemistry II
& CHEM 205 and Accelerated Chemistry Lab II

CHEM 232 Elementary Organic Chemistry I 3 OR 4
CHEM 233 Elementary Organic Chem Lab I 2
IB 150 Organismal & Evolutionary Biol 4
MCB 150 Molec & Cellular Basis of Life 4

At least one required 200-level IB course and at least one required 200-level MCB course

In addition, the student is required to take the Illinois Certification Testing System test of Basic Skills by the December before applying to the Teacher Education Minor in Secondary School Teaching. A passing grade on this test is required before admission to the Teacher Education Minor in Secondary School Teaching.

Requirements

In addition to the requirements for the concentration listed below, students must complete the Teacher Education Minor in Secondary School Teaching (http://catalog.illinois.edu/undergraduate/education/secondary) (37 - 38 hours). See the College of Education section for requirements of the minor. Conferral of the degree of Bachelor of Science in Liberal Arts and Sciences prior to completion of the minor requires approval by petition to the LAS Student Affairs Office. Ordinarily, all students will require ten semesters to complete this program.

MATH 220 Calculus 4-5
or MATH 221 Calculus I

CHEM 102 General Chemistry I 3
CHEM 103 General Chemistry Lab I 1
CHEM 104 General Chemistry II 3
CHEM 105 General Chemistry Lab II 1
CHEM 232 Elementary Organic Chemistry I 3 OR 4
CHEM 233 Elementary Organic Chem Lab I 2
IB 150 Organismal & Evolutionary Biol 4
MCB 150 Molec & Cellular Basis of Life 4
IB 202 Anatomy and Physiology 3 OR 4
IB 203 Ecology 4
IB 204 Genetics 3 OR 4
IB 302 Evolution 4
MCB 250 Molecular Genetics 3
MCB 251 Exp Techniqs in Molecular Biol 2
MCB 252 Cells, Tissues & Development 3
MCB 253 Exp Techniqs in Cellular Biol 2
PHYS 101 College Physics: Mech & Heat 5
PHYS 102 College Physics: E&M & Modern 5
GEOL 107 Physical Geology 4
ASTR 100 Introduction to Astronomy 3
or ASTR 210 Introduction to Astrophysics

Select one of the following: 3-4

EPsy 480 Educational Statistics
STAT 100 Statistics

Additional 300- and 400-level courses selected from IB and/or MCB in consultation with the advisor.

1 Students should speak with an advisor to help choose the appropriate section of CHEM 232.

2 IB 202 and IB 302 requires animal dissection and no equivalent alternative is available.