BIOLOGY TEACHING CONCENTRATION

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

Major in Biology, Biology Teacher Education Concentration

E-mail: advising@life.uiuc.edu

Minimum required courses normally equate to 79-82 hours in the major and 39 hours for the Teacher Education Minor in Secondary School Teaching.

General education: Students must complete the Campus General Education requirements (https://courses.illinois.edu) including the campus general education language requirement.

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

Minimum hours required for graduation: 120 hours

This major fulfills state certification requirements to teach high school (grades 9-12) biology through the AP/honors level and chemistry, earth and space science, environmental science and physics up to but not including the AP/honors level.

Students in this major must complete the Teacher Education Minor in Secondary School Teaching (39 hours). See the College of Education section for requirements of the minor (http://catalog.illinois.edu/undergraduate/education/secondary).

Time to degree completion varies. Minimum time to completion is 8 semesters, but some students may require 10 semesters. Transfer students may need 10 total semesters combined to complete the program. Please see the LAS section in the transfer handbook (https://admissions.illinois.edu/Content/docs/Handbook_LAS.pdf) for more information.

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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 105</td>
<td>General Chemistry Lab II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Elementary Organic Chemistry I</td>
<td>3-4</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Elementary Organic Chem Lab I</td>
<td>2</td>
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One required 200-level IB course selected from required courses below.

One required 200-level MCB course (and its lab course) selected from required courses below.

**Additional Required Coursework**

Teacher Education Minor in Secondary School Teaching (http://catalog.illinois.edu/undergraduate/education/secondary)

IB 150  Organismal & Evolutionary Biol  4
MCB 150  Molec & Cellular Basis of Life  4
IB 202  Physiology  4
IB 203  Ecology  4
IB 204  Genetics  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  3-4

Select one of the following:

EPSY 480  Educational Statistics

STAT 212  Biostatistics

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 and CHEM 233.

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

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