

BIOT Option Curriculum Guideline

4.5 yr program of ~130 hours leading to a B.S. degree in
Biology PLUS Certification in Secondary Science (Biology
Designation) from the State of Illinois

Fall Semester

General Chemistry I Chemistry 1550	4
College Algebra Math 1200*	3
Composition I	3
Introduction to Biology Biology 1710	3
Intro Psychology Psychology 1100*	3

Spring Semester

General Chemistry II Chemistry 1560	4
College Algebra & Trig Math 1210*	3
Composition II	3
Biology of Animals Zool 2040	3
Intro to Teaching* ELCF 1520	2

$$16+15=31$$

Fall Semester

Organic Chemistry I Chem 2500	4
Interdisciplinary Course (e.g. Biol 1130)	3
Biol of Plants, Algae and Fungi Bot 2050	3
Social Sciences elect. (Hist 1300, Hist 1310, or Pol 1010)*	3
Comm. For Professionals CMAT 1130	3

Spring Semester

Organic Chemistry II Chem 2510	4
Educational Psychology Psychology 2020	3
Biol 2040 Genetics	4
Intro Bio Professions Biology 1600	1
Humanities elect.: Fine Arts Course (e.g. Art 2150)	3

$$16+15=31$$

Take Basic Skills Test

Fall Semester

Foreign Language I	3
Human Physiology Psyl 2040	4
Physics I Phys 1510	4
Hist/Phil of Am Pub. Ed. ELCF 2000*	3
Diversity elective	3
<i>Apply to College of Education</i>	

Spring Semester

Foreign Language II	3
Char Except Child S Ed 4301*	3
Physics II Phys 1520	4
Biol 3050 Cell Biology	4
Earth Science/ Geography Phy Sci 1140 or Geog 1400	3

17+17=34

Fall Semester

Biology Lab course elective	4
Biol 2550/255 Popls, Comm., Ecosyt.	3
Psychology of Child and Adol. Psychology 2040	3
Prin & Prac of Secon. Ed.* ELCF 4500	2
Health/P.E. elect.	2-3

Spring Semester

Methods of Teaching Secondary Science Biology 4630	3
Classroom Management CAS 3630	1
Evolutionary Biology Biol 3055	3
Content Reading * Read 4100	2
Soc. Science elective: Non western culture	3

Biology Content Exam Rev. (take only once) Biology 1092**	(1)		Biology Content Exam Rev. (take only once) Biology 1092**	(1)
			Teach. Students Except. Needs Special Ed 4303*	2
		15+14=30	<i>Take Biology Content Exam</i>	

Fall Semester

Student Teaching Biology 4750	6
<i>Take APT Exam</i>	

*These courses are offered most summers

**The ISBE Biology Content Exam preparatory course is a Pass/Fail independent study for students who do not pass the exam on the first try, or desire to prepare themselves prior to taking the exam. It does not count toward graduation credits, and must be taken the same or previous semester that the exam is taken.