

Course Requirements for Biology Education

Pitt ID:

Name:

Advisor:

COMPETENCIES	Cr	Trm	Gr
Writing			
ENG 101 English Composition	3		
ENG 102 English Composition	3		
UL Writing	*		
Mathematics			
MATH 0098 or 0110 or 0139 (suggested)	3		

THE HUMAN EXPERIENCE

Arts & Letters (9 credits)			
<i>Must include at least one course in literature, and at least one course in the creative, fine, and performing arts</i>			
Literature	3		
Arts	3		
EDUC 0275 Adolescent Literature	*		
Behavioral, Economic, & Political Sciences (9 credits)			
<i>Courses must be selected from at least two different categories</i>			
PSY 0101	3		
	3		
	3		
History, Cultures, & Philosophical Inquiry (9 credits)			
<i>At least one history course is required and at least one course from either of the other two categories (Culture or Philosophical Inquiry)</i>			
HIST	3		
	3		
EDUC 0215 English Language Learners (Global)	*		
Physical, Life, & Computational Sciences (9-10 credits)			
<i>Must include one course each in physical sciences and life sciences, one of which must have a laboratory.</i>			
Physical Science	*		
Life Science	*		
MATH 0132 or 0136 or 0140	3-4		
Physical Education (1 credit)			
	1		
First Year Seminar (1 credit)			
FS 0104	1		

* Denotes the course is used to satisfy more than one requirement.

Students must earn 120 credits exclusive of development courses such as MATH 0097.

A second course designated as global is required:
Course # and name:

MAJOR	Cr	Trm	Gr
Required Core BIOL Courses			
*BIOL 0101 Intro to Cell/Molecular	4		
*BIOL 0102 Intro to Biodiversity	4		
BIOL 0204 Genetics	3		
BIOL 0205 Genetics Lab	1		
BIOL 0218 Princ. of Ecology & Evolution	3		
BIOL 0219 Princ. of Ecol & Evol Lab	1		
BIOL 1451 Capstone	4		
UL BIOL elective	4		
UL BIOL elective	4		
Other Cognates			
CHEM 0101 Gen Chem I	4		
CHEM 0102 Gen Chem II	4		
PHYS 0101 or 0103 or 0201	3-4		
Education			
EDUC 0204 Intro to Education	3		
EDUC 0215 English Language Learners	3		
EDUC 0220 Special Education Law	3		
EDUC 0235 Instructional Design	3		
EDUC 0275 Adolescent Literature	3		
EDUC 1302 Assessment Techniques	3		
EDUC 1325 Development of Children with Exceptional Needs	3		
EDUC 1330 Educating Children with Exceptional Needs	3		
EDUC 1345 Educ. Theories & Practices	3		
EDUC 1350 Educational Psychology and Measurement	3		
Admission to program is a pre-requisite for these courses			
EDUC 1301 Instructional Technology	3		
EDUC 1307 Secondary Methods	4		
EDUC 1334 Literacies Across Curriculum	3		
EDUC 1481 Student Teaching	9		
EDUC 1482 Student Teaching Seminar	3		

127-129 Credits

Students who begin Fall 2023 are required to take EDUC 1302.

***A minimum C grade must be earned in BIOL 0101 to take BIOL 0204, and a minimum C grade must be earned in BIOL 0102 to take BIOL 0218.**

All courses in the major must be completed with a C- or higher and a 3.0 grade point average must be maintained.

BS Biology Education 4 – Year Plan

First Semester			Second Semester		
BIOL 0101	Intro to Cell/Molecular	4	BIOL 0102	Intro to Biodiversity	4
ENG 0101	English Composition I	3	EDUC 0204	Intro to Education*	3
FS 0104	First Year Seminar	1	ENG 0102	English Composition II	3
MATH	Elective	3-4	ENG	Literature Elective	3
History, Culture or Philosophical Inquiry		3	MATH	0132 or 0136 or 0140	4
			PEDC		1
Total Credits		14-15	Total Credits		18

Third Semester			Fourth Semester		
CHEM 0101	General Chemistry I	4	BIOL 0204	Genetics	3
EDUC 0220	Special Education Law*	3	BIOL 0205	Genetics Lab	1
PSY 0101	Intro to Psychology	3	CHEM 0102	General Chemistry II	4
History Elective		3	EDUC 0235	Instructional Design*	3
Behavioral, Economic or Political Science		3	EDUC 0275	Adolescent Literature	3
			EDUC 1325	Dev of Children with Excep*	3
Total Credits		16	Total Credits		17

Fifth Semester			**Sixth Semester		
BIOL 0218	Princ. of Ecology & Evol.	3	BIOL 1451	Capstone	2
BIOL 0219	Princ. of Ecol & Evol Lab	1	EDUC 1301	Instructional Technology	3
BIOL	Upper-Level Elective	4	EDUC 1330	Educ Children with Excep*	3
EDUC 0215	English Language Learners	3	EDUC 1334	Literacies Across Curric*	3
EDUC 1302	Assessment Techniques*	3	PHYS	0101 or 0103 or 0201	3-4
EDUC 1345	Educ Theories & Practices*	3	Behavioral, Economic or Political Science		3
			Total Credits		17-18
Total Credits		17			

Seventh Semester			Final Semester	
BIOL	Upper-Level Elective	4	EDUC 1481: Student Teaching 9 cr.	
BIOL 1451	Capstone	2	EDUC 1482: Student Teaching Seminar 3 cr.	
EDUC 1307	Secondary Methods	4	The culminating experience for all education majors is student teaching. This semester can occur in either the spring or fall term based on student circumstances. It is not unusual, due to several factors (i.e basic skills tests, required C- or better in all courses, scheduling conflicts, etc.) that education students require an extra semester to finish their degrees. Conversely, some students might transfer in numerous courses which allows them to finish in less time.	
EDUC 1350	Ed Psychology & Measure*	3		
Arts Elective		3		
Total Credits		16	Total Credits	12

*Denotes a course with field requirements.

Total credits for the major: 127-129

**Must be officially admitted to Teacher Certification Program by this time.