

Course Requirements for Chemistry Education

Pitt ID:

Name:

Advisor:

COMPETENCIES	Cr	Trm	Gr
Writing			
ENG 0101 English Composition	3		
ENG 0102 English Composition	3		
UL Writing	*		
Mathematics			
MATH 0140	*		

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>			
CHEM 0101/0102	*		
Life Science	3-4		
MATH 0150	*		
Physical Education (1 credit)			
	1		
First Year Seminar (1 credit)			
FS 0104	1		

* Denotes that 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
CHEM 0101 General Chem I	4		
CHEM 0102 General Chem II	4		
CHEM 0201 Analytical	4		
CHEM 0206/7 Organic I	4		
CHEM 0208/9 Organic II	4		
CHEM 1301 Physical I	4		
CHEM 1302 Physical II	4		
CHEM 1305 Analytic Instrumentation	4		
CHEM 1451 Capstone	4		
MATH 0140 Calculus I	4		
MATH 0150 Calculus II	4		
PHYS 0201 Foundations of PHYS I	4		
PHYS 0202 Foundations of PHYS II	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		

135 Credits

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

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

BS Chemistry Education 4-Year Plan

First Semester			Second Semester		
CHEM 0101	General Chemistry I	4	CHEM 0102	General Chemistry II	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
HIST	Elective	3	MATH 0150	Calculus II	4
MATH 0140	Calculus I	4	PSY 0101	Intro to Psych	3
Total Credits		15	Total Credits		17

Third Semester			Fourth Semester		
CHEM 0201	Analytical Chemistry	4	CHEM 0208/09	Organic Chemistry II	4
CHEM 0206/07	Organic Chemistry I	4	EDUC 0235	Instructional Design*	3
EDUC 0220	Special Education Law*	3	EDUC 0275	Adolescent Literature	3
PHYS 0201	Foundations of Phys I	4	EDUC 1325	Dev of Children with Excep*	3
Behavioral, Economic or Political Science		3	PHYS 0202	Foundations of Phys II	4
			PEDC		1
Total Credits		18	Total Credits		18

Fifth Semester			**Sixth Semester		
CHEM 1301	Physical Chemistry I	4	CHEM 1302	Physical Chemistry II	4
EDUC 0215	English Language Learners	3	CHEM 1305	Analytical Instruments	4
EDUC 1302	Assessment Techniques*	3	EDUC 1301	Instructional Technology	3
EDUC 1345	Ed Theories & Practices*	3	EDUC 1330	Educ Children with Excep*	3
ENG	Literature Elective	3	EDUC 1334	Literacies across Curric.*	3
History, Culture or Philosophical Inquiry		3			
Total Credits		19	Total Credits		17

Seventh Semester			Final Semester		
CHEM 1451	Capstone	3	EDUC 1481: Student Teaching 9 cr.		
EDUC 1307	Secondary Methods	4	EDUC 1482: Student Teaching Seminar 3 cr.		
EDUC 1350	Ed Psych & Measure*	3	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.		
Behavioral, Economic or Political Science		3			
Life Science		3			
Arts Elective		3			
Total Credits		19	Total Credits		12

*Denotes a course with field requirements.

Total credits for the major: 135

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