Course Requirements for Mathematics 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)			
Must include at least one course in literature, and at least one course in the creative, fine, and performing arts.			
Literature	3		
Arts	3		
EDUC 0275 Adolescent Literature	*		
Behavioral, Economic, & Political Sciences (9 credits)			
Courses must be selected from at least two different categories.			
PSY 0101	3		
	3		
	3		
History, Cultures, & Philosophical Inquiry (9 credits)			
At least one history course is required and at least one course from either of the other two categories (Culture or Philosophical Inquiry)			
HIST	3		
	3		
EDUC 0215 English Language Learners (Global)	*		
Physical, Life, & Computational Sciences (9-10 credits)			
Must include one course each in physical sciences and life sciences, one of which must have a laboratory.			
Physical Science	3-4		
Life Science	3-4		
MATH	*		
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
MATH 0135 Discrete Math	3		
MATH 0140 Calculus I	4		
MATH 0150 Calculus II	4		
MATH 0201 Calculus III	4		
MATH 0202 Ordinary Differential Equations	3		
MATH 0206 Linear Algebra	3		
MATH 0207 Geometry	3		
MATH 1303 Math Modeling	3		
MATH 1309 Probability & Statistics	4		
MATH 1312 Abstract Algebra & Number Theory	4		
MATH 1318 Intro to Analysis	4		
MATH 1452 Capstone	3		
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	12		

130 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 Mathematics Education 4-Year Plan

First Semester		
ENG 0101	English Composition I	3
FS 0104	First Year Seminar	1
MATH 0140	Calculus I	4
Behavioral, Economics or Political Science		3
Life Science with Lab		4
Total Credits		**15**

Second Semester		
EDUC 0204	Intro to Education*	3
ENG 0102	English Composition II	3
MATH 0135	Discrete Mathematics	3
MATH 0150	Calculus II	4
PSY 0101	Intro to Psychology	3
Total Credits		**16**

Third Semester		
EDUC 0220	Special Education Law*	3
MATH 0201	Calculus III	4
MATH 0202	Ordinary Differential Equations	3
History Elective		3
Literature Elective		3
PEDC		1
Total Credits		**17**

Fourth Semester		
EDUC 0235	Instructional Design*	3
EDUC 0275	Adolescent Literature	3
EDUC 1325	Development of Children with Exceptional Needs*	3
MATH 0206	Linear Algebra	3
Arts Elective		3
History, Culture or Philosophical Inquiry		3
Total Credits		**18**

Fifth Semester		
EDUC 1302	Assessment Techniques*	3
EDUC 1345	Ed Theories & Practices*	3
MATH 0207	Geometry	3
MATH 1303	Math Modeling	3
Behavioral, Economic or Political Science		3
Physical Science		3
Total Credits		**18**

**Sixth Semester		
EDUC 1301	Instructional Technology	3
EDUC 1330	Educating Children with Exceptional Needs*	3
EDUC 1334	Literacies Across Curriculum*	3
MATH 1309	Probability & Statistics	4
MATH 1312	Abstract Algebra & Numbers	4
Total Credits		**17**

Seventh Semester		
EDUC 0215	English Language Learners	3
EDUC 1307	Secondary Methods*	4
EDUC 1350	Ed Psychology & Measure*	3
MATH 1318	Intro to Analysis	4
MATH 1452	Capstone	3
Total Credits		**17**

Final Semester
EDUC 1481: Student Teaching

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.

Total Credits	**12**

*Denotes a course with field requirements.   **Total credits for the major: 130**

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