

Mathematics Option 2014-2016

ALL CLASSES MUST BE COMPLETED WITH A "C" OR BETTER AND A 2.75 GPA.

NAME: _____ GID: _____

This option is offered to allow students to concentrate in mathematics in addition to majoring in the elementary education curriculum. It is primarily intended for students who plan to teach middle school mathematics. The program is also attractive to students who plan to teach upper intermediate grades and desire a stronger mathematics background. This option does not lead to State Endorsement in mathematics. However, a notation will appear on the student's transcript indicating an additional option in mathematics.*

All mathematics option students should follow the elementary education K-8 curriculum with these exceptions:

Delete: _____ **Credits**

Required Electives: _____ 11-13

Add:

Take ALL of the following:

Rubric/#	Course Title	Semester (s) Offered	Credits	Grade
EDU 497R	Methods: 5-8 Mathematics	Spring	3	
STAT 216Q	Elementary Statistics	Fall/Spring/Summer	3	
<i>Choose one from:</i>				
M 420 M 424	Geometry, Meas. & Data for Middle School Algebraic Thinking & Number in Mid. Sch.	Fall alt. yrs, to be offered even yrs Fall, alt. odd yrs/Sum, alt. even yrs	3	

**Restricted Electives in Mathematics - 6 credits – Choose from:
(cannot double count in any credits)**

M 149Q	Secrets of the Infinite	Fall/Spring	3	
M 147Q	Language of Math	Spring	3	
M 151Q	Pre-calculus	Fall/Spring/Summer	4	
M 161Q	Survey of Calculus	Fall/Spring/Summer	4	
M 171Q	Calculus & Analytic Geometry	Fall/Spring/Summer	4	
M 420	Geom., Meas. & Data for Middle School	Fall alt. yrs, to be offered even yrs	3	
M 424	Algebraic Thinking & Numbers in MS	Fall, alt. odd yrs/Sum, alt. even yrs	3	
STAT 217Q	Intermediate Stat. Concepts	Fall/Spring/Summer	3	
Another approved mathematics course			3	

Total Credits: 15

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above. Students choosing this competency voluntarily select a program that requires additional coursework above the 120 credits required for a standard four-year degree.

Students must declare this as an additional option by completing the appropriate form.

For additional information contact:

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Elementary (K-8) Education Major - Plus Mathematics Option

Suggested Curriculum by Semester

2014-2016

All grades must be completed with a "C" or better and a 2.75 GPA in major, minor, option & CUM. A minor or option is encouraged but not required for this major.

Freshman Year (_____ cr) *Summer courses are recommended (not required) to reduce credit load in Fall/Spring semesters and support degree completion in 4 years – especially if adding a minor or option.*

Fall			Spring		
Course	Cr	Grd	Course	Cr	Grd
EDU 101US - Teaching & Learning	3		EDU 204IA – Creative Arts & Lifelong Learn.	3	
WRIT 101W - College Writing	3		NASX Course – NASX 105D; NASX 205D; OR 232D	3	
EDU 222IS - Ed Psych and Child Development	3		Human Cultures – GPHY 121D; GPHY 141D; ANTY 101D; SOCI 101IS; AMST101D	3	
Life Science – BIOB 100IN; BIOM 103IN; OR APPROVED ELECTIVE	3		Restricted Math Elective	3-4	
Math 132 - Numbers & Ops for K-8 Teachers* <small>*(Must test into Math Level 3 via MPLEX or ACT/SAT to register)</small>	3		Math 133Q – Geo & Meas. for K-8 Tchrs	3	

Sophomore Year (_____ cr) *Check course pre-requisites.*

Fall			Spring		
Course	Cr	Grd	Course	Cr	Grd
History Core – HSTA 101IH; HSTA 102IH; HSTR 101IH OR HSTR102IH	4		TE250CS Technology & Society	3	
EDU 331 – Literature & Literacy for Children	3		EDU 211D – Multicultural Education	3	
Physical Science – PHSX 103IN; PHSX 201IN; CHMY 102CS; OR APPROVED ELECTIVE	3		Earth Science – ERTH 101IN; ERTH 212RN; GEO 103CS; GEO 105IN; GEO 111IN; GEO 140IN; OR APPROVED ELECTIVE	3-4	
STAT 216 – Elementary Statistics (STEM Elective)	3-4		PSCI 210 – American Government	3	
Math 234 – Adv Topics Math K-8 Teachers	3		Restricted Math Elective	3-4	

Junior Year (_____ cr) *Must be at 93 credits at end of Spring semester to graduate in 4 years.*

Fall			Spring		
Course	Cr	Grd	Course	Cr	Grd
EDU 382 – Assessment, Curriculum & Instruction	3		EDU 497R – Methods: 5-8 Mathematics	3	
EDSP 306 – Exceptional Learners	3		EDU 397 – K-8 Creative Arts Methods	3	
EDU 330 – Emergent Literacy	3		EDU 397 – K-8 Science Methods	3	
EDU 397 - K-8 Health Enhancement	3		EDU 342 – Managing the Learn. Env.	3	
EDU 397 – K-8 Math Methods	3		EDU 395 – Practicum I	3	
EDU 370 – Int. Tech into Education	2				

Submit application to Teacher Education Program

Attend Student Teaching Meeting

Senior Year (_____ cr)

Fall			Spring		
Course	Cr	Grd	Course	Cr	Grd
EDU 397 – K-8 Language Arts Methods	3		EDU 495 – Student Teaching	12	
M 420 – Geo., Meas., & Data for MS or M 424 – Algebraic Thinking & Numbers in MS	3				
EDU 397R – K-8 Social Studies Methods	3				
EDU 438 – Lit Assessment, Diagnosis & Instruction	3				
EDU 395 – Practicum II (Classroom)	3				
			Total # of Credits:		

Submit application for Student Teaching & Graduation

Name: _____

Student ID: _____



Department of Education • Semester Planning Sheet

Autumn Semester <input style="width: 30px;" type="checkbox"/>			Spring Semester <input style="width: 30px;" type="checkbox"/>			Summer <input style="width: 30px;" type="checkbox"/>		
Rubric	Number	Credits	Rubric	Number	Credits	Rubric	Number	Credits
Autumn Semester <input style="width: 30px;" type="checkbox"/>			Spring Semester <input style="width: 30px;" type="checkbox"/>			Summer <input style="width: 30px;" type="checkbox"/>		
Rubric	Number	Credits	Rubric	Number	Credits	Rubric	Number	Credits
Autumn Semester <input style="width: 30px;" type="checkbox"/>			Spring Semester <input style="width: 30px;" type="checkbox"/>			Summer <input style="width: 30px;" type="checkbox"/>		
Rubric	Number	Credits	Rubric	Number	Credits	Rubric	Number	Credits
Autumn Semester <input style="width: 30px;" type="checkbox"/>			Spring Semester <input style="width: 30px;" type="checkbox"/>			Summer <input style="width: 30px;" type="checkbox"/>		
Rubric	Number	Credits	Rubric	Number	Credits	Rubric	Number	Credits