

MATHEMATICS EDUCATION (6 – 12)

First Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
MAC 2311 Calculus I*	4					
ENC 1101 Freshman Communication Skills I	3					
Approved Science course	3					
Science lab or activity course	1					
EDG 1072 College Success & Beyond	3					
Total Semester Hours :	14					Advisement with the CAS
Second Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
MAC 2312 Calculus II	4					
ENC 1102 Freshman Communication Skills II	3					
Approved Science course	3					
EDF 1005 Introduction to the Teaching Profession w/Field Exp.	3	15				
MUL 2010 or approved Humanities course	3					
Total Semester Hours:	16	15				Take the FTCE GK Advisement with the CAS
Summer Semester Freshman Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
STA 2023 Probability and Statistics I	3					
Approved Social Science course	3					
SPC 2608 Public Speaking	3					
Total Semester Hours:	9					
First Semester Sophomore Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
MAC 2313 Calculus III	5					
Approved Social Science course	3					
EME 2040 Introduction to Technology for Educators	3					
AMH 2091 Introduction to African American History	3					
MUL 2112 or approved Humanities course	3					
Total Semester Hours:	17					Apply for admission to the COE Advisement with the CAS
Second Semester Sophomore Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
MHF 4202 Foundations of Mathematics (pre-req: MAC 2312)	3					
EDF 2085 Introduction to Diversity for Educators w/Field Experiences	3	15				
EDF 3135 The Adolescent Learner	3					
MAE 2030 Introduction to Mathematics Education	3					
Total Semester Hours:	12	15				Advisement with the CAS

* If you do not make at least a 76 on the ALEKS test, you will have to start in a lower math course and will have to take additional coursework in subsequent semesters in order to graduate in 4 years. If you do not score at least 61 on the ALEKS, you will have to choose a major other than Mathematics Education.

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First Semester Junior Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
TSL 4081 ESOL Survey of Strategies for Instruction (Fall only)	3	21				
MAS 3105 Linear Algebra (pre-reqs: MAC 2312 and MAC 2313)	3					
RED 3333 Teaching Reading in the Content Areas	3					
ESE 3341 Theory & Practice of Secondary Schools (Fall only)	3	15				
Total Semester Hours:	12	36				Pass Professional Exam of FTCE Advisement with the CAS
Second Semester Junior Year	Credit	Field Exp. Hrs	Grade	Semester	Year	Notes
MAS 4301 Abstract Algebra I	3					
EDF 3430 Measurement and Evaluation of Educational Growth	3					
MAE 4360 Methods of Teaching Middle & Secondary Mathematics (with Field Experiences)	4	20				
MAE 3330 Mathematics for Secondary Teachers	3					
Total Semester Hours:	13	20				Pass Subject Area of FTCE Advisement with the CAS
First Semester Senior Year						
MAE 4342 Standards-based Mathematics Instruction (pre-req: MAE 4360)	3					
MTG 4203 Modern Pure Geometry (Fall only)	3					
MAS 4203 Introduction to Number Theory	3					
ETE 2210C Introduction to STEM Education	3					
ESE 4930 Instructional Seminar in Secondary Education	3					
Total Semester Hours	15					Apply to Student Teach Advisement with the CAS
Senior Year Spring Semester						
ESE 4943 Student Teaching in Secondary School (pre-req: successful completion of all other coursework)	12	280				
Total Semester Hours	12					Apply for Graduation Meet with Chair
Total Hours for Degree Completion	120					