

**Requirements for the Mathematics B.A. w/Teaching Option
(PENDING APC APPROVAL-2007)**

Mathematics Courses

Course	Name	Cr Hrs	Pre Req	Pre or Co Req	Available	Other
MATH-11100	Calculus I	4	Group1		F-S, Y	2b
MATH-11200	Calculus II	4	MATH-11100		F-S, Y	2b
MATH-18500	Mathematical Experimentation	3	Group 1		S, Y	NS LA
MATH-21100	Calculus III	4	MATH-11100 & MATH-11200		F-S, Y	2b
MATH-21600	Introduction to Mathematical Statistics	3	MATH-11200		F, Y	NS LA
MATH-23100	Linear Algebra	3	MATH-11200		F, Y	NS LA
MATH-27000	Mathematical Reasoning with Discrete Mathematics	3	MATH-23100	MATH-18500	S, Y	NS LA
MATH-29100	Sophomore Seminar	1	MATH-11200 & MATH-23100 <i>or</i> MATH-27000	MATH-27000	S, Y	
MATH-30300	Abstract Algebra	4	MATH-27000		F, Y	
MATH-30500	Introduction to Analysis	4	MATH-27000		S, Y	
MATH-36200	Modern Geometry	4	MATH-27000		F, Y	
MATH-39700	Junior Seminar	1	MATH-29100		F, Y	
*	Electives (See below)	6				

Total 44

* Select 6 credits at level 3 or above (except for MATH-39100, 39500, 49100, & 49500) At least 3 credits at level 4

Core Education Requirements

Course	Name	Cr Hrs	Pre Req	Pre or Co Req	Available	Other
EDUC-21910	Early Field Experience: Theory & Practice	3	sophomore standing	EDUC-11000,11100	F-S, Y	
COMP-20100	Tech for the Middle/Secondary School Teacher	2		Field Experience component from H&S teaching option program	F-S, Y	
EDUC-10100	Literacy Education for Middle/Secondary School Teacher	2			S, Y	
SLPA-22900	Second Language Acquisition: It's nature & meaning	2	sophomore standing		F-S, Y	
SPLA-23900	Educating Children with Special Needs	2	sophomore standing		F-S, Y	
PSYC-21010	Educational Psychology	3	sophomore standing		F-S, Y	
EDUC-34000	Social and Cultural Foundations of Education	3	3 social science <i>or</i> humanities courses		F-S, Y	
EDUC-30810	Pedagogy and Practice across the Disciplines	3	EDUC-21910 EDUC-34000 PSYC-21010	EDUC-30510 & junior	F-S, Y	
EDUC-30510	Pedagogy and Practice for the Mathematics Teacher	3	EDUC-21910 EDUC-34000 PSYC-21010	EDUC-30810 & junior	F-S, Y	
EDUC-41210	Seminar in Reflective Practice	3		EDUC-49810	F-S, Y	
EDUC-49810	Professional Semester in Education	12		EDUC-41210	F-S, Y	
EDUC-11000	Child Abuse Identification and Prevention	0			F-S, Y	
EDUC-11100	Drug and Alcohol Abuse: Identification and Prevention	0			F-S, Y	

Total 38

Open Electives

38

Total, B.A. in Mathematics, Teacher Education	120
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