

## Mathematics Education Major

### Freshman Year

		1st	2 <sup>nd</sup>
ENGL 101	Composition I	3	
CORE	Social Science	6	
MATH 123 & 125, 123 L & 125L	Calculus I & II Labs	4 1	4 1
CORE	Natural Science	4	4
SPCM 101	Fundamentals of Speech		3
ENGL 210	Intro to Literature		3
CORE	Humanities/Fine Arts		3
		18	18

**\*Students must have a minimum CGPA of 2.5 to co-register for EDFN 338 and SEED 296.**

### Junior Year

		1st	2 <sup>nd</sup>
MATH 412	Linear Algebra (FA)	3	
<a href="#">EPSY 422</a>	Psych of Adolescence	3	
<a href="#">INED 411</a>	S.D. Indian Studies	3	
CORE	IDEA Foundation	3	
Electives	Minor	6	
MATH 413	Abstract Algebra (SP)		3
MATH 361	Modern Geometry		3
MATH 411	Theory of Numbers		3
<a href="#">SEED 400</a>	Methods & Media in Middle & High School		2
<a href="#">SEED 394</a>	Internship in SEED		1
<a href="#">EPSY 302</a>	Educational Psychology		2
CORE	IDEA Capstone		3
		18	17

Note: Must be admitted to Teacher Education to be enrolled in JR 2<sup>nd</sup> semester/SR courses.

### Sophomore Year

<a href="#">EDFN 338</a>	American Education	2	
<a href="#">SEED 296</a>	Paraprofessional	1	
<a href="#">TET 200</a>	Basic Skills	2	
MATH 225	Calculus III	4	
MATH 351	Foundations of Math (FA)	3	
ENGL 201	Composition II	3	
CORE	Aesthetic Experience	3	
Electives	Minor		6
MATH 216	Discrete Structures		3
CSC 150 & 150L	Computer Science I Lab		4
<a href="#">HLTH 103</a>	Personal Health		3
		18	16

### Senior Year

		1st	2 <sup>nd</sup>
STAT 481	Probability and Statistics	3	
<a href="#">EDER 415</a>	Educational Assessment	2	
<a href="#">SPED 405</a>	Educating Secondary Students with Disabilities	3	
SEED	Methods class for minor	3	
<a href="#">SEED 418</a>	7-12 Math Methods	3	
Electives	Minor	3	

### Student Teaching Semester

<a href="#">EDFN 475</a>	Human Relations		3
<a href="#">SEED 450</a>	7-12 Teaching Reading in Content Area		3
<a href="#">TET 435</a>	Internet in the Classroom		1
<a href="#">SEED 440</a>	Classroom Management		1
<a href="#">SEED 488</a>	Student Teaching		8
		17	16

A minimum of 35 hours of mathematics including the calculus sequence (MATH 123, 125, 225), 21 hours of upper division courses including MATH 351, 361, 411, 412, and 413. STAT 281/481 and MATH 216 will be accepted in place of some upper division mathematics electives. Students with an insufficient mathematics background must enroll in either MATH 102 or 115. Math course rotations may vary.

NOTE: Students must have an Academic Teaching Minor including a methods course. Course credits may not be double counted as part of the required hours for both the major and the minor.

\*The bachelor's degree is also available through the College of Arts and Sciences. All teacher certification requirements must be completed including passing scores on the PPST, Praxis content exam 10061, and the PLT. See a teacher education advisor in the School of Education for additional information.

As a professionally accredited unit, the USD School of Education limits the number of students admitted to the Teacher Education programs based on availability of resources.

2005 BOR/USD CORE (11/06)