

MAJOR: B. S. in grades 5-12 Mathematics Education

Course	Title	Credits	Sem.
Admission to Teacher Education Program Requirements			
MATH 110 or MATH 150	College Algebra or Calculus I	3 5	B B
ENG 151	Academic Writing	4	B
COMM 110	Essentials of Speaking & Listening	3	B
ED 312 or SOC 331	Human Relations for Teachers or Racial & Ethnic Relations in America <i>(meets MnTC Goal 7)</i>	3	B B, Su
Required Education Courses			
ED 101	Introduction to Education & Lab	3	B
ED 102	Technology: Classroom Applications and Portfolio Development	2	B
PSYC 341	Child & Adolescent Psychology <i>*Pre-Requisite: PSYC 101</i>	3	S
SPED 290	Introduction to Special Education & Lab	3	B
ED 301	The Teaching & Learning Process & Lab	3	F
ED 430	Reading in the Content Areas	2	S
Discipline Methods Courses			
ED 406	Secondary Methods: Mathematics	3	S
ED 304	Professional Development & Classroom Applications	1	S
ED 304L	Pre-Student Teaching Experience Practicum	0	S
HLTH 225	Alcohol, Narcotics & Tobacco <i>*Not required, but strongly encouraged</i>	2	
Required Content Courses			
MATH 150	Calculus I	5	B
MATH 151	Calculus II <i>*Pre-Requisite: MATH 150</i>	4	B
MATH 252	Calculus III <i>*Pre-Requisite: MATH 151</i>	4	F
MATH 350	Differential Equations <i>*Pre-Requisite: MATH 151</i>	3	S
MATH 360	Linear Algebra <i>*Pre-Requisite: MATH 151</i>	3	F
MATH 200	Introduction to Statistics	3	B
MATH 300	Modern Geometry <i>*Pre-Requisite: MATH 151</i>	3	S
MATH 320	Foundation of Mathematics <i>*Pre-Requisites: MATH 150 w/ C- or better, sophomore status</i>	3	S
MATH 325	Combinatorics & Graph Theory <i>*Pre-Requisite: MATH 320</i>	3	F
MATH 480	Mathematics Seminar	1	B
Math Electives: Choose 3 from the following			
MATH 440	Abstract Algebra		
MATH 450	Real Analysis		
MATH 455	Applied Mathematics		
MATH 460	Complex Analysis		
MATH 3XX	Additional Math Course: three additional credits in math courses numbered 300 or above, including a maximum of 3 credits from 499 with department approval	3	B
Student Teaching			
ED 469	Secondary Student Teaching: Grade 5-12 & Seminar	12	B
ED 473	Teaching Licensure	0	B
Degree & Major Credits			
	LEP/MnTC requirements	45	
	Math Education requirements	44	
	Secondary Education Coursework	29	
	Total credits required for major	118	
	Total credits required for Bachelor's Degree	120	

Courses in the shaded area can be taken prior to admission to the Teacher Education Program

F = Fall S = Spring B = Both F & S Su = Summer fo = fall odd so = spring odd fe = fall even se = spring even For example – FO = Fall 2015; SE = Spring 2016; FE = Fall 2016; SO = Spring 2017

Special Notes:

- Students should take MATH 150 (or MATH 135 if needed) in their first semester.
- The student must fulfill the professional education requirements for licensure.
- A student should have a B (3.0) average in all required mathematics courses before being recommended for admission to the Teacher Education Program.
- A student should maintain a B (3.0) average in all required mathematics courses including a minimum of 22 credits completed before being recommended for student teaching.
- All courses counting toward the major must be completed with a grade of "C-" or better.

NES Essential Academic Skills tests required for this major: Reading/Writing/Math prior to admission to the Teacher Education Program;

MTLE tests required for this major: Mathematics Gr. 5-12 Content tests (2 subtests) and Secondary Pedagogy tests (2 subtests) prior to licensure.

Math 110 College Algebra is for NES prep for Secondary Ed students. If you pass your Math NES and have met your math goal with another math course, the requirement of MATH 110 may be waived for admission to the Teacher Education Program. You are responsible to keep informed of any changes in requirements which may affect your academic career.

This information is provided for advising. Official curriculum is published in the SMSU academic catalog: www.SMSU.edu/catalog/
Students should refer to the online catalog or their DARS report for current curriculum. **This advising guide was printed: 12/06/2019**