

# DEPARTMENT OF MATHEMATICS

## SOUTHEAST MISSOURI STATE UNIVERSITY

### Major: Mathematics

### Degree: Bachelor of Science in Education (H.S.)

<u>First Semester</u>	<u>Hrs</u>
<b>MA140 Analytic Geom. &amp; Calc. I</b>	5
EN100 English Comp. I <sup>1</sup>	3
UI100 First Year Seminar	3
University Studies (any Artistic)	3
Univ Studies (any Literature)	3
CL001 Career Linkages I	0
MX001 MAPP	0
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<u>Second Semester</u>	<u>Hrs</u>
<b>MA138 Discrete Mathematics</b>	3
<b>MA145 Analytic Geom. &amp; Calc. II</b>	4
EN140 Rhet. & Crit. Thinking	3
SC105 Fund of Oral Communication	3
BSxxx Any BS or BI course	3
CL002 Career Linkages II	0
WP002 Writing Skills Test	0
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<u>Third Semester</u>	<u>Hrs</u>
<b>MA240 Analytic Geom. &amp; Calc. III</b>	3
<b>MA250 Foundations of Mathematics</b>	3
PS103 U.S. Political Systems	3
SE200 Intro to MSE Technology	2
SE202 Intro to MSE Teaching	2
PY222 Dev. of the Adolescent.	3
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<u>Fourth Semester</u>	<u>Hrs</u>
<b>MA345 Linear Algebra</b>	3
<b>MA443 Elem. Number Theory<sup>#</sup></b>	3
<b>MA445 Modern Algebra</b>	3
US105 Amer. History I (or US107)	3
UI3xx University Studies	3
Univ Studies (any Physical)	3
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<u>Fifth Semester</u>	<u>Hrs</u>
<b>MA448 Mathematics Seminar</b>	1
<b>MA340 Concepts Geometry</b>	3
<b>MA523 Prob. &amp; Stat. I (or MA223)<sup>2*</sup></b>	3
<b>MA334 Computer Programming</b>	3
Univ Studies (any Economics)	3
UI3xx University Studies	3
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<u>Sixth Semester</u>	<u>Hrs</u>
<b>MA540 Projective Geom.<sup>3#</sup> (or MA545)</b>	3
SE305 Middle & Secondary Block II	
Field Experience	2
SE306 Theory Learning & Mgt	2
SE307 Teaching Reading	2
SE308 Fund. Of HS Education	3
EF304 School and Society	2
SE275 Diversity in America's Schools	3
CL003 Career Linkages III	0
WP003 75 Hour Writing Test	0
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<u>Seventh Semester</u>	<u>Hrs</u>
<b>MA546 Advanced Calc. (or MA523)<sup>2*</sup></b>	3
<b>UI438 Nature &amp; Growth Math Thought</b>	3
SE300 Technology to Enhance Learning	3
SE311 Tech. Teach Math.	3
SE370 Field Experience	2
EX390 Psych & Ed of Exceptional Child <sup>+</sup>	3
CL004 Career Linkages IV	0
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<u>Eighth Semester</u>	<u>Hrs</u>
SE463 Student Teaching	6
SE464 Student Teaching	6
EF400 Seminar in Educ. Issues	1
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<sup>1</sup>Depending on English placement

<sup>2</sup>Select one: MA223 or MA523

<sup>3</sup>Select one: MA523 (if not selected above), MA546, MA540 or MA545

\* Offered Fall semesters only

# Offered Spring semesters only

+ EX390 must be completed or cannot proceed to Student Teaching