

**DEPARTMENT OF MATHEMATICS
SOUTHEAST MISSOURI STATE UNIVERSITY
BACHELOR OF SCIENCE IN EDUCATION
MIDDLE LEVEL EDUCATION
(MATHEMATICS)**

leading to a
Missouri teaching certificate - Grades 5-9

Option 1: 21 hours in math <u>and</u> 21 hrs in social studies, science, or language arts	Option 3: 30 hours in math (must be Elementary or Secondary major adding Middle as second major)
MA118 Mathematics I (3) MA318 Mathematics II (3) MA418 Geometry for Teachers (3) MA139 Applied Calculus (3) MA223 Elem. Probability & Statistics (3) MA250 Foundations of Mathematics (3) or MA138 Discrete Mathematics I (3) UI438 Nature & Growth of Math Thought (3)	MA118 Mathematics I (3) MA318 Mathematics II (3) MA418 Geometry for Teachers (3) MA139 Applied Calculus (3) MA223 Elem. Probability & Statistics (3) MA250 Foundations of Mathematics (3) UI438 Nature & Growth of Math Thought (3) MA138 Discrete Mathematics (3)
	Any two of the following: MA340 Concepts of Geometry (3) MA345 Linear Algebra (3) MA443 Elementary Number Theory (3) MA445 Modern Algebra (3)

Middle Level Education Requirements 40 hours

Block I	Block III
SE222 Middle and Secondary Orientation (0)	SE300 Technology to Enhance Learning (2) SE311 Techniques of Teaching Mathematics (3) SE3xx Special Subject Technique Course (3)* SE372 Middle Block Field Experience - Math (1)* SE37x Middle Block Field Experience - (1) choose from other concentration area (social studies, lang. arts, or science)
Block II	Block IV
EF304 School and Society (2) SE301 Fundamentals of Middle School Education (3) SE302 Teaching Reading & Writing in Middle School (3) SE305 Middle and Secondary Block II Field Experience (3) SE306 Theories of Learning & Management (2) SE307 Teaching Reading in the Secondary School (2) SE275 Diversity in America's Schools (3)# Prerequisite to Block II: Admission to Teacher Education Program	SE463 Student Teaching Secondary (1st) (6) SE464 Student Teaching Secondary (2nd) (6) EF400 Seminar in Educational Issues for Student Teachers (1) Note: One of the student teaching assignments must be at the middle level.

UNIVERSITY STUDIES PROGRAM

Students in the middle school program must take their University Studies courses as specified below. Taking any courses to satisfy a University Studies category other than as listed below will not satisfy teacher education requirements and may result in a denial of admission or graduation problem.

3 hours each

Artistic Expression:	Any Course
Literary Expression:	Any Course
Oral Expression:	SC105 Fundamentals of Oral Communication+
Written Expression:	EN140 Rhetoric and Critical Thinking+
Behavioral Systems:	PY222 Development of the Adolescent+
Living Systems:	Any BI/BS Course or FN 235
Logical Systems:	MA118 and MA 318 (Note 3)
Physical Systems:	Any CH, PH, or GO 150 or UI 373 Hist. Geo.
Economic Systems:	Any Course
Political Systems:	PS103 or PS 104
Social Systems:	SE275 Diversity in America's Schools # +
Development of a Major Civ.:	US105 American Hist. I or US107 American Hist. II
Upper Level University Studies Courses	
300/400 University Studies Courses:	9 Hours

+ Courses must be completed with a minimum grade of "C."

*Second Special Subject Technique Course required for Middle School Only majors.

#Course counts also as University Studies as well as a Professional Education course, Social Studies majors take SO 102 instead.

Note 1: Middle School majors need to take two techniques and two field experience courses.

Note 2: Secondary majors adding Middle School need only take one techniques and field.

Note 3: Secondary adding Middle who have taken MA134 should take MA218 in place of MA118, MA318 & MA418.