



**Major Map: Middle School - Mathematics and Science**

**Catalog Year: 2008-2009**

The following is a sample course of study. It is the Student's responsibility to ensure that all program requirements are met. This guide is not a substitute for academic advisement.

*Your path to graduation may vary slightly based on factors such as college credit you earned while in high school, transfer work from other institutions of higher learning and placement in Mathematics. You are responsible for checking prerequisites to any courses and the education requirements outlined in the School of Education Student Handbook.*

Course Subject and Title	Hrs.	Upper Division	Transfer Course	Minimum Grade if Required	Date Completed	Final Grade	Pre-requisites met	Additional Critical Tracking Notes
<b>Fall Semester Year 1: 14 hours</b>								
ENG 110 English Composition I	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
COMS 110 Speech	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
HIST 101 or 102 American History	3	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
Math 130 Number Systems	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
EDUC 180 Intro to Education	2	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
<b>Spring Semester Year 1: 16 hours</b>								
Fine Arts course	3	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
POL SCI 210 American Government	3	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
Math 110 College Algebra	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
BIOL 102/102L Biology with Lab	4	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Math 140 Elementary Geometry	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
<b>Summer Semester Year 1</b>								
May use summer semester to lighten fall and winter course loads.								
<b>Fall Semester Year 2: 16 hours</b>								
ENG 225 English Composition II	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Chem/Earth/Physical Science with lab	4	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Stat 235 Elementary Statistics	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
TCH-ED 385 Teaching with Technology	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Math 125 Trigonometry	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
<b>Spring Semester Year 2: 13 hours</b>								
Math 210 Calculus I	4	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	WEPT Exam Complete CBASE
TCH-ED 403 Educational Psychology	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Math 214-Algebra for Teachers	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Social Science (pick from ECON, GEOG, POLS, PSYCH, SOC)	3	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
<b>Summer Semester Year 2</b>								
May use summer semester to lighten fall and winter course loads.								
<b>Fall Semester Year 3: 12 hours</b>								
TCH-ED 420 Adolescent Development	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	Apply to Professional Education Program Complete Praxis II Exams
ENG Literature Elective	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
TCH-ED 470-History and Philosophy of Science and Technology	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
Science Elective	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
<b>Spring Semester Year 3: 15 hours</b>								
Social Science (pick from ECON, GEOG, POLS, PSYCH, SOC)	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
ENVS 110R/110L	5	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
GEOG 319 Meteorology	4	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
TCH-ED 404 Education of the Exceptional Child	3	<input type="checkbox"/>	<input type="checkbox"/>	C			<input type="checkbox"/>	
<b>Summer Semester Year 3: 9 hours</b>								



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EDUC 438 Cultural Diversity	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
EDUC 439 Content Reading and Lang. Dev.	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 408WI Advanced Foundations	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 422 Practicum I	0	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
<b>Fall Semester Year 4: 17 hours</b>							
TCH-ED 416 Reading II	4	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	Apply for graduation.
TCH-ED 423 Practicum II	0	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 433 Math Methods	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 435 Science Methods	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 438 Culturally Responsive Strategies	3	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 460 Middle School Philosophy	2	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
TCH-ED 462 Middle School Curriculum	2	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	
<b>Spring Semester Year 4: 12 hours</b>							
TCH-ED 461 Student Teaching	10	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	Apply for certification.
TCH-ED 492 Capstone	2	<input type="checkbox"/>	<input type="checkbox"/>	C		<input type="checkbox"/>	

**Non-course requirements**

- Math Placement Exam
- Written English Proficiency Test (WEPT)
- College Basic Academic Subjects Exam (CBASE)
- PRAXIS II: Middle School Mathematics #0061
- PRAXIS II: Middle School Science #0439
- Admission to professional education program
- Admission to internship year
- Program Portfolio – Teacher Work Sample

**Met**

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The School reserves the right to make changes in courses, degree requirements and course schedules without notice.

Students are expected to maintain a quality of achievement significantly above minimum UMKC standards for degree work. Individual student progress will be monitored throughout the program. Satisfactory progress is required of all students for retention in the program. Students are expected to maintain academic standards, perform satisfactorily in courses, refrain from academic dishonesty, comply with the established University and teacher education timetables and requirements, and refrain from unethical or unprofessional behavior or behaviors that obstruct the training process or threaten the welfare of the student or others. Other circumstances involving student behavior will be addressed by the faculty on an individual basis.

All students completing an undergraduate education degree must meet the following conditions in order to graduate and be recommended for graduation or certification:

- Complete an oral communications class, English composition I & II, and a required math class or its equivalent with grades C or better
- Complete the specific pre-education, subject area, and education courses with a C grade or higher
- Attain a cumulative grade point average of at least 2.75
- Attain a subject-area grade point average of at least 2.5 (applies to middle school, secondary, and K-12 programs)
- Gain acceptance into the School of Education Professional Program (consult with your academic advisor)
- Submit acceptable results from a Missouri FBI background check
- Passed each section of the College Basic Academic Subjects Exam (CBASE) with scores of 235 or higher
- Passed the appropriate Praxis II exam

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