

Four Year Graduation Plan – Courses & Critical Benchmarks:

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. For more information see the University Catalog at umkc.edu/catalog.

Your path to graduation may vary 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. Critical Courses and minimum recommended grades (as noted below) provide feedback regarding major fit and help indicate likelihood of successful completion of chosen academic program and degree.

Please Note: Freshman students enter the School of Education as Pre-Education majors. Students must be admitted into the Teacher Education Program prior to beginning the professional course sequence in the Junior year. For details, see contact School of Education Student Services (under the advising information section at the end of this map). **Students who do not place into MATH 210 Calculus I may have to take additional math coursework, potentially adding 3-8 additional hours to the degree.**

First Math Course:	Math 120 Pre-Calculus	Foreign Language Requirement:	None	General Elective Hours:	None
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Critical Course	Course Subject, Number, & Title and Academic Plan Benchmarks Bold = UMKC General Education Core requirement *Prerequisite May Be Required ** Co-Requisite Enrollment Required	Min. Rec. Grade	Credit Hours	Notes
Fall Semester Year 1: 16-17 hours				
◆	MATH 120 Pre-Calculus ¹ (Focus B) OR MATH 210 Calculus I ¹ (Focus B)	B	4-5	A cumulative GPA, content GPA and professional GPA of 3.0 or higher is required at completion of the program. Grades of C or better are required in all professional education classes. ¹ Enrollment restricted. Must take ALEKS Math Placement Exam or show prerequisite requirement has been met prior to enrolling.
◆	Content Area Elective – Programming Language, select one: COMP-SCI 101 Problem Solving and Programming I COMP-SCI 111 Introduction to Computing COMP-SCI 191 Discrete Structures I	B	3	
	Focus A Arts & Humanities Click for options		3	
	**ANCHOR I Reasoning & Values Click for options		3	
	**DISC 100 Reasoning & Values (Speech & Writing) Click for options		3	
Complete 16 credit hours toward degree Earn minimum 2.75 cumulative GPA				
Spring Semester Year 1: 16 hours				
◆	MATH 210 Calculus I (Focus B) OR MATH 220 Calculus II	B	4	² HISTORY 101, 102, & POL-SCI 210 fulfill both the Focus Elective & Missouri Constitution requirement . Register for UMKC Roo Career Network
◆	STAT 235 Elementary Statistics	B	3	
	Focus C Human Values & Ethical Reasoning Click for options (HISTORY 101, 102, or POL-SCI 210 ² recommend)		3	
	**Anchor II Culture & Diversity Click for options		3	
	**DISC 200 Culture & Diversity (Speech & Writing) Click for options		3	
Complete 16 credit hours toward degree Earn minimum 2.75 cumulative GPA				
Summer Semester Year 1: 0-4 hours				
◆	MATH 220 Calculus II (if not previously completed)	B	4	

Complete Anchor I & DISC 100 Complete at least 30 credit hours toward degree Maintain minimum 3.00 cumulative GPA				Students may use the summer to ensure completion of 30 hours per academic year or to lighten fall and spring course loads.
Fall Semester Year 2: 16 hours				
◆	MATH 250 Calculus III	B	4	Take the RooWriter Assessment after completing DISC 200. Must complete prior to enrolling in a Writing Intensive (WI) course or completing 90 hours. Complete the Missouri General Education Assessment (MoGEA) Complete Missouri Content Assessment (MoCA) Complete background check and fingerprinting.
◆	Math Electives – at least four taken from three categories. Select two: <u>History of Mathematics</u> - MATH 464WI History of Mathematics <u>Structure of the Real Number System</u> - MATH 204 Mathematics for Teachers: Mathematical Immersion <u>Calculus Sequence</u> - MATH 244 Mathematics for Teachers: Calculus, and/or - MATH 345 Ordinary Differential Equations, and/or - MATH 402 Advanced Analysis I <u>Probability and Statistics</u> - STAT 436 Introduction to Mathematical Statistics I <u>Linear Algebra</u> - MATH 410 Modern Algebra, and/or - MATH 420 Linear Algebra II	B	6	
	**Anchor III Civic & Community Engagement Click for options		3	
	**DISC 300 Civic & Community Engagement (Speech & Writing) Click for options		3	
Complete 16 credit hours toward degree Earn minimum 2.75 cumulative GPA				
Spring Semester Year 2: 15 hours				
◆	MATH 300 Linear Algebra	B	3	Apply to the Teacher Education Professional Program . A cumulative GPA of 2.75+ is required at time of application. A cumulative GPA of 3.0+ is required to start the Teacher Education Professional Program.
◆	MATH 301 On Solid Ground: Sets and Proofs	B	3	
◆	Math Electives – at least four taken from three categories. Select two: <u>History of Mathematics</u> - MATH 464WI History of Mathematics <u>Structure of the Real Number System</u> - MATH 204 Mathematics for Teachers: Mathematical Immersion <u>Calculus Sequence</u> - MATH 244 Mathematics for Teachers: Calculus, and/or - MATH 345 Ordinary Differential Equations, and/or - MATH 402 Advanced Analysis I <u>Probability and Statistics</u> - STAT 436 Introduction to Mathematical Statistics I <u>Linear Algebra</u> - MATH 410 Modern Algebra, and/or - MATH 420 Linear Algebra II	B	6	
	Focus Elective Click for options		3	
Complete 15 credit hours toward degree Earn minimum 2.75 cumulative GPA				
Summer Semester Year 2: 0 hours				
Complete Anchor II & DISC 200 Complete RooWriter Assessment Complete at least 60 credit hours toward degree Maintain minimum 3.00 cumulative GPA				Students may use the summer to ensure completion of 30 hours per academic year or to lighten fall and spring course loads.
Fall Semester Year 3: 16 hours – Start of the Teacher Education Professional Program				
	TCH-ED 312 Legal & Ethical Aspects of Teaching		3	A cumulative GPA of 2.75+ is required at time of application. A cumulative GPA of 3.0+ is required
	TCH-ED 330 Analyzing Learning Environments in Urban Contexts		3	

	TCH-ED 403 Educational Psychology		3	to start the Teacher Education Professional Program.
	TCH-ED 404 Education of the Exceptional Child		3	
	TCH-ED 420 Adolescent Development		3	
	TCH-ED 422 Practicum I – Middle & High School		1	
Complete 16 credit hours toward degree Complete Key Assessment 1, 2 & 3 Earn minimum 3.00 cumulative GPA				
Spring Semester Year 3: 13 hours				
	TCH-ED 314 Cultural Diversity & Teaching English Language Learners		3	Apply for graduation & complete your Final Degree Audit for Major and Minor (if applicable).
	TCH-ED 385 Teaching & Learning with Technology		3	
	EDUC 402R Algebraic Thinking for Teachers		3	
	EDRD 439 Language & Literacy Across the Disciplines		3	
	TCH-ED 423 Practicum II – Middle & High School		1	
Complete 13 credit hours toward degree Complete Key Assessment 4 & 5 Earn minimum 3.00 cumulative GPA				
Summer Semester Year 3: 0 hours				
Complete at least 90 credit hours toward degree Maintain minimum 3.00 cumulative GPA				
Fall Semester Year 4: 16 hours				
	MATH 424 Mathematics for Secondary Teachers: Geometry OR MATH 444 Modern Geometries		3	
	TCH-ED 315 Assessment & Data Literacy		3	
	TCH-ED 438 Culturally Responsive Strategies for Teaching Diverse Learners		3	
	TCH-ED 463 Literacy Intervention Across the Disciplines		3	
	TCH-ED 433 Special Methods of Teaching Mathematics		3	
	TCH-ED 424 Practicum III Middle & High School		1	
Complete 16 credit hours toward degree Complete Key Assessment 6, 7 & 8 Earn minimum 3.00 cumulative GPA				
Spring Semester Year 4: 12 hours				
	TCH-ED 493 Seminar – Mathematics		3	
	TCH-ED 437 Student Teaching in High School		9	
Complete Key Assessment 9 & 10 Earn minimum 3.00 cumulative GPA				

Graduation Requirements Summary

Total Hours	Total Hours at UMKC	Upper Lvl Hrs in Major at UMKC	Upper (300 / 400) Level Hours	Major GPA	UMKC GPA
125 minimum	30 minimum	12 minimum	36 minimum	3.00 minimum	3.00 minimum

Other Information

A minimum of 30 hours must be earned at the University of Missouri-Kansas City, regardless of the number and level of hours earned at another institution. Undergraduate degree-seeking students are required to earn credit in at least 36 hours of coursework numbered 300 and above at UMKC. In the case of transfer credit, the coursework must be numbered as junior-senior level work by the transferring institution. Community-college transfer coursework cannot count towards the 36-hour requirement.

Non-course Requirements

RooWriter Assessment	_____
MoGEA Exam	_____
MoCA Exam	_____
Key Assessments	_____

Policy

The University reserves the right to make changes in courses and course schedule. 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 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.

Program Description

The School of Education, organized officially as a separate academic division in 1954, was the result of the University of Kansas City's involvement in professional education since 1940. At that early date the University was offering an M.A. in education, heavily liberal-arts laden, with most classes conducted in the summer and evenings. An undergraduate major in elementary education was established in 1952, and the first University of Kansas City doctoral program, the Ph.D. in education, was inaugurated with the organizing of the school in 1954. Since 1954, the school has grown to include three disciplinary divisions with 19 programs, offering bachelor of arts, master of arts, educational specialist, education doctorate and doctor of philosophy degree programs. Several degree and certification programs are offered in cooperation with the School of Biological Sciences, the Conservatory of Music and the College of Arts and Sciences. The mission of the School of Education is to recruit, prepare and support outstanding teachers, mental health professionals and administrators who will create lifelong opportunities through education for America's diverse urban communities. This mission is centered on six key values which embody the knowledge, skills and dispositions expected of our candidates across the School of Education. The goals defined by individual programs are more specific subsets of these broader goals:

- Academic excellence.
- Strategic innovation.
- Inquiry leading to reflective decision-making and problem solving.
- Skilled and knowledgeable professionals working collaboratively.
- Democracy, diversity and social justice.
- Caring and safe environments

Admission Requirements

- Completed the majority of specific pre-education and subject area course work prior to start of the professional education semesters;
- Attained a cumulative grade point average of at least 3.00;
- Submitted acceptable results from a Missouri FBI background check;
- Passed the Missouri General Education Assessment, Content Assessment and Pedagogical Assessment;
- Completed the application for the School of Education
- Submitted a score from the ACT.
- Online applications and complete instructions are available at the School of Education web site: <http://education.umkc.edu/teapp>

Advising Contact Information

School of Education Student Services
129 Education Building
816-235-2234 | education@umkc.edu | <http://education.umkc.edu/students/>

Career Opportunities

UMKC Career Services – career.umkc.edu | 816-235-1636 | 2nd Floor, Atterbury Student Success Center
O*Net OnLine – OnetOnline.org Learn about careers related to your major, income potential, and more.