

Four-Year Graduation Plan - Courses and 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. **All incoming freshmen must develop an academic plan (which maps out all courses needed to graduate within your intended major/degree). Your academic advisor is available to meet with you and create your specific plan.**

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. 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.

First Math	MATH 210: Calculus I	Foreign Language Requirement	No	Free Elective Hours	No Free Electives
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Critical Course or Benchmark	Course Subject, Number, and Title and Academic Plan Benchmarks Bold = UMKC General Education Core Requirement *Prerequisite May Be Required **Co-Requisite Enrollment Required	Min Recom Grade	Credit Hours (CH)	Notes
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Fall Semester Year 1: 14 hours

	**Anchor I: Reasoning and Values Click for options		3	MATH 210 satisfies the Focus B: Scientific Reasoning and Quantitative Analysis requirement. BIOLOGY 108 satisfies the Focus Elective requirement. The ALEKS Math Placement Exam or college credit with a grade of C- or higher in prerequisite required prior to enrollment in MATH 210.
	**DISC 100: Reasoning and Values (Speech and Writing)		3	
	Focus B: Scientific Reasoning and Quantitative Analysis MATH 210: Calculus I	B	4	
	Focus Elective BIOLOGY 108: General Biology I and BIOLOGY 108L: General Biology I Laboratory OR BIOLOGY 109: General Biology II and BIOLOGY 109L: General Biology II Laboratory	B B B B	3 1 3 1	
	Completion of 12 term hours minimum toward graduation Earn 3.00 minimum cumulative GPA Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses			

Spring Semester Year 1: 15 hours


	**Anchor II: Culture and Diversity Click for options		3
	**DISC 200: Culture and Diversity (Speech and Writing)		3
	*PHYSICS 240: Physics for Scientists and Engineers I	B	5
	MATH 220 Calculus II	B	4
	Complete Anchor I and DISC 100 Complete 30 total hours toward degree Earn a cumulative GPA of a 3.00 or higher Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses		

Summer Semester Year 1: 3 hours

	GEOLOGY 220 General Geology	B	3
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 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses

Fall Semester Year 2: 15 hours


**Anchor III: Civic and Community Engagement Click for options		3
**DISC 300: Civic and Community Engagement (Speech and Writing)		3
 *PHYSICS 250: Physics for Scientists and Engineers II	B	5
ENV-SCI 110R: Understanding the Earth	B	3
ENV-SCI 110L: Understanding the Earth Laboratory	B	2

 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses.

Spring Semester Year 2: 15 hours

Focus A: Arts and Humanities		3	Recommend HISTORY 206 or 208 to satisfy the Focus A: Arts and Humanities requirement. Recommend HISTORY 101 or 102 to satisfy the Focus C: Human Actions, Values, and Ethics requirement. These courses will prepare you for the MoGEA.
Focus C: Human Actions, Values, and Ethics		3	
CHEM 211: General Chemistry I	B	4	
CHEM 211L: Experimental General Chemistry I	B	1	
BIOLOGY 108: General Biology I and BIOLOGY 108L: General Biology I Laboratory OR BIOLOGY 109: General Biology II and BIOLOGY 109L: General Biology II Laboratory	B B B B	3 1 3 1	
 Complete Anchor II and DISC 200 Complete the Missouri General Education Assessment (MoGEA) Complete the RooWriter Assessment Complete 60 hours toward degree Earn a cumulative GPA of a 3.00 or higher Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses			Complete the RooWriter Writing Assessment .

Summer Semester Year 2: 11 hours

CHEM 212R: General Chemistry II	B	4
CHEM 212LR: Experimental General Chemistry II	B	1
TCH-ED 404 Education of the Exceptional Child	B	3
TCH-ED 385 Teaching and Learning with Technology	B	3
 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses		

Fall Semester Year 3: 16 hours

*PHYSICS 310 Mechanics I	B	3	Required to complete a background check along with applying for substitute teaching license.
*PHYSICS 350 Modern Physics with Engineering App.	B	3	
*PHYSICS 410 Thermal Physics	B	3	
GEOG 319 Descriptive and Synoptic Meteorology	B	4	
TCH-ED 403 Educational Psychology	B	3	



Apply to the Teacher Education Program
 Complete the Content Assessment
 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses

Spring Semester Year 3: 12 hours

*PHYSICS 460 Electricity and Magnetism I	B	3	Complete interview for Teacher Education program. All test need to be completed by June 1 st .
*PHYSICS 445LWI Modern Physics Laboratory or *PHYSICS 475LWI Nuclear Physics Laboratories	B	3	
*PHYSICS 420 Optics	B	3	
TCH-ED 420 Adolescent Development	B	3	



Earn a cumulative GPA of a 3.00 or higher
 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses

Summer Semester Year 3: 10 hours

TCH-ED 430 Gateway to Teaching	B	3
EDUC 428 Cultural Diversity in American Education	B	3
TCH-ED 408WI Advanced Foundations	B	3
TCH-ED 422 Practicum I	B	1



Earn a cumulative GPA of a 3.00 or higher
 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses

Fall Semester Year 4: 17 hours

TCH-ED 423 Practicum II	B	2	Apply for graduation.
TCH-ED 427 Reading in the Secondary School	B	3	Apply for certification.
TCH-ED 435 Special Methods Science	B	3	
TCH-ED 438 Culturally Responsive Strategies	B	3	
TCH-ED 470 Philosophy & History of Science & Technology	B	3	
PHYSICS 472 Introduction to Quantum Mechanics	B	3	



Earn a cumulative GPA of a 3.00 or higher
 Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses

Spring Semester Year 4: 12 hours

TCH-ED 437 Student Teaching – Secondary	B	10
TCH-ED 495 Science Capstone	B	2

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hours at UMKC (30 hours min)	Major GPA	UMKC GPA
141	See advisor	3.00; 3.00 prof/content	3.00

Policy and Other Information

Non-course requirements

Met

RooWriter
 Teacher Education Application
 Missouri General Education Assessment (MoGEA)
 Substitute Certification
 Background Check
 Pedagogical Assessment
 Content Assessment
 Disposition Assessment

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.

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

- Admission to UMKC (<http://umkc.edu/admission>)
- 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;
- Attained a subject-area grade point average of at least 3.00 (middle school, secondary, and K-12);
- Submitted acceptable results from an Missouri FBI background check;
- Passed the Missouri General Education Assessment, Content Assessment and Pedagogical Assessment;
- Completed the application for the School of Education (<http://education.umkc.edu/teapp>)
- Submit a score from the ACT or SAT; (if graduated from High School in past 5 years)
- Pass RooWriter Exam before taking the required writing intensive course.

Instructions are available at the School of Education web site: <http://education.umkc.edu/teapp>

Career Opportunities

To learn more about career opportunities for Education majors please visit these web sites:

UMKC Career Services Resources: <http://www.career.umkc.edu/?q=node/87>

O*Net OnLine: <http://www.onetonline.org/find/>

Advising Contact Information

Questions? Call the School of Education Student Services office at 816-235-2234 or e-mail education@umkc.edu. Those with speech or hearing impairments may use Relay Missouri, 1-800-735-2966 (TT) or 1-800-735-2466 (voice). UMKC is an equal opportunity/affirmative action institution.