

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	College Algebra	Foreign Language Requirement	No	Free Elective Hours	No Free Electives
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**Note: Subject area grade point average (GPA) is made up of all completed BIOLOGY, CHEMISTRY, GEOLOGY, ENVIRONMENTAL SCIENCE, and PHYSICS courses.**

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: 15 hours

	<b>**Anchor I: Reasoning and Values</b> <a href="#">Click for options</a>		3	BIOLOGY 108 satisfies the <b>Focus B: Scientific Reasoning and Quantitative Analysis</b> requirement.  CHEM 211 satisfies the <b>Focus Elective</b> requirement.  <a href="#">ALEKS Math Placement Exam</a> or college credit with a grade of C- or higher in prerequisite required prior to enrollment in math.
	<b>**DISC 100: Reasoning and Values</b> (Speech and Writing)		3	
◆	<b>Focus B: Scientific Reasoning and Quantitative Analysis</b> BIOLOGY 108: General Biology I and BIOLOGY 108L: General Biology I Laboratory <b>OR</b> BIOLOGY 109: General Biology II and BIOLOGY 109L: General Biology II Laboratory	B B B B	3 1 3 1	
◆	<b>Focus Elective</b> CHEM 211: General Chemistry I** and CHEM 211L: Experimental General Chemistry I*	B B	4 1	
◆	MATH 110: College Algebra or higher (if not previously completed)		3	
◆	Complete 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: 18 hours

	<b>**Anchor II: Culture and Diversity</b> <a href="#">Click for options</a>		3
	<b>**DISC 200: Culture and Diversity</b> (Speech and Writing)		3
◆	CHEM 212R: General Chemistry II CHEM 212LR: Experimental General Chemistry II	B B	4 1
◆	BIOLOGY 108: General Biology I and BIOLOGY 108L: General Biology I Laboratory <b>OR</b> BIOLOGY 109: General Biology II and BIOLOGY 109L: General Biology II Laboratory	B B B B	3 1 3 1
	GEOL 220: General Geology I	B	3

◆	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
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**Summer Semester Year 1: 5 hours**

	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		

**Fall Semester Year 2: 15 hours**

	<b>**Anchor III: Civic and Community Engagement</b> <a href="#">Click for options</a>		3
	<b>**DISC 300: Civic and Community Engagement</b> (Speech and Writing)		3
◆	CHEM 321: Organic Chemistry I	B	3
	CHEM 321L: Organic Chemistry Laboratory I	B	1
◆	PHYSICS 210 General Physics I	B	4
◆	Earn a B or higher in all BIOLOGY, GEOG, GEOLOGY, PHYSICS, ENV-SCI, CHEM, TCH-ED, and EDUC courses		

**Spring Semester Year 2: 16 hours**

	<b>Focus C: Human Actions, Values, and Ethics</b>		3	Recommend HISTORY 101 or 102 to satisfy the <b>Focus C: Human Actions, Values, and Ethics</b> requirement. This course will prepare you for the MoGEA.  Complete the <a href="#">RooWriter Writing Assessment</a> .
◆	CHEM 322: Organic Chemistry II	B	4	
	CHEM 322L: Organic Chemistry Laboratory II	B	1	
	*PHYSICS 220 General Physics II	B	4	
	TCH-ED 385 Teaching and Learning with Technology	B	3	

◆	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
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**Summer Semester Year 2: 0 hours if all previous courses completed**

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**Fall Semester Year 3: 12 hours**

	<b>Focus A: Arts and Humanities</b>		3	Recommend HISTORY 206 or 208 to satisfy the <b>Focus A: Arts and Humanities</b> requirement. This course will
	*CHEM 330 Elementary Physical Chemistry	B	3	
	*CHEM 341 Analytical Chemistry I	B	3	


# UMKC Major Map: Bachelor of Arts in Secondary Education - Unified Chemistry (grades 9-12)

## First-Time College Students


Catalog Year: 2015 - 2016

	*CHEM 367 Bioorganic Chemistry I	B	3	prepare you for the MoGEA.
	*CHEM 354R Instrumental Analysis	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			Required to complete a background check along with applying for substitute teaching license.


### Spring Semester Year 3: 15 hours

	*CHEM 387 Environmental Chemistry I	B	3	Complete interview for Teacher Education program. All test need to be completed by June 1 <sup>st</sup> .
	GEOG 319 Descriptive & Synoptic Meteorology	B	3	
	TCH-ED 403 Educational Psychology	B	3	
	TCH-ED 404 Education of the Exceptional Child	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: 14 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	
	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
120	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](mailto: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.