

BACHELOR OF SCIENCE: BIOLOGY - CLINICAL LABORATORY SCIENCE EMPHASIS

University Requirements

General Education

UMKC Essentials is the university-wide curriculum that all undergraduate students will complete. The 30-credit hour program includes a First Year Experience course; three critical thinking courses in the areas of Arts & Humanities, Natural & Physical Sciences, and Social & Behavioral Sciences; a course in Culture and Diverse Perspectives; a course in Civic & Urban Engagement; two courses in Written Composition and one course in Oral Communication; and a Math Pathway course. Transfer students entering UMKC will elect from the UMKC Essentials General Education Program or the Missouri Core 42 General Education Curriculum. Academic advisors will meet with incoming transfer students to determine which option best serves the student's educational needs. More information about General Education may be found on the General Education Requirements (<https://catalog.umkc.edu/undergraduate-academic-regulations-information/general-education-requirements/>) page.

Constitution Course

Every undergraduate student must take a course covering the United States Constitution and the Missouri State Constitution before graduation. Course options are included in the program requirements section below.

Exit Examinations

Information on exit examinations is available in the Undergraduate Academic Regulations and Information (<https://catalog.umkc.edu/undergraduate-academic-regulations-information/graduation/exitexams/>) section of the catalog.

Missouri Higher Education Civics Achievement Examination

In accordance with Missouri Senate Bill 807 (section 170.013.1), 'any student entering a public institution of higher education for the first time after July 2019 who is pursuing an associate's or bachelor's degree from such institution shall successfully pass an examination on the provisions and principles of American civics with a score of seventy percent or greater as a condition of graduation from such institution'. To satisfy this requirement at UMKC, students access the exam through the Canvas site. This requirement will be listed in the degree audit system as, 'Take State Mandated Missouri Higher Education Civics Achievement Examination', and listed on the transcript as 'Missouri Civics Examination'.

Student Learning Outcomes

Students graduating from this program will:

- Identify fundamental concepts in the biological sciences, including the relationship between structure and function at all levels of biological organization, evolution and the role of natural selection in the process, ecological relationships between organisms and their environment.
- Differentiate among cellular structure and explain the major biochemical processes that occur in cells.
- Explain the mechanisms of heredity and the flow of genetic information.
- Apply knowledge in basic mathematics, chemistry, and physics to solve biological problems.
- Employ techniques and procedures commonly used in modern biology laboratories.
- Analyze and critically evaluate scientific data.

Students interested in pursuing undergraduate degree programs offered by Division of Biological and Biomedical Systems are admitted through the UMKC Office of Admissions (<http://www.umkc.edu/admissions/>). Transfer or Readmitted students should contact the University admissions office and Division of Biological and Biomedical Systems for information about transfer admissions and evaluation of transfer coursework. Transfer admission eligibility includes an overall grade-point average of at least 2.0 for all college-level coursework attempted at previous institutions, an overall GPA of at least 2.0 in courses used to fulfill Biological Sciences major requirements, and a University of Missouri Biology GPA of at least 2.0.

Program Requirements

Division of Biological and Biomedical Systems offers a program leading to a BS degree in Biology with the Clinical Laboratory Science emphasis. The typical student spends the first three years on the UMKC campus completing the general education and basic science course requirements of the baccalaureate degree. A final 12 month course of clinical studies is completed in an affiliated hospital clinical program, which is approved by the Council on Medical Education of the American Medical Association and accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Affiliated clinical programs are located at North Kansas City Memorial and Saint Luke's hospitals. After completing the clinical program and earning a bachelor's degree, students are eligible to take a national certification board examination. Passing the certification examination is not a condition for receiving the BS degree in Biology with the Clinical Laboratory Science emphasis but is often required for employment in the field.

Acceptance into a hospital clinical program is competitive. Admission into the BS degree in Biology with the Clinical Laboratory Science emphasis at UMKC does not guarantee acceptance of the student by an affiliated hospital clinical program. Clinical instruction in the hospital is a 12-month, full-time day program.

Application to the clinical program is made directly by the student to any (or all) of the affiliated hospitals. The student should apply during the summer or fall of his/her junior year. A list of program contacts is available from an SBC Advisor. Hospital programs differ in admission criteria, application deadlines and early admission options. Early application is advised.

UMKC Essentials

Code	Title	Credits
First Semester Experience Course (GEFSE)		3
Written Communication:		
ENGLISH 110	Introduction to Academic Prose	3
ENGLISH 225	English II: Intermediate Academic Prose	3
Oral Communication (choose one of the following):		3
COMM-ST 110	Fundamentals of Effective Speaking and Listening	
COMM-ST 140	Introduction to Communication	
COMM-ST 212	Argumentation And Debate (offered via dual credit only)	
COMM-ST 277	Interpersonal Communication	
Math Pathway (satisfied in major requirements below)		
Critical Thinking in Arts & Humanities (GECRT-AH)		3
Critical Thinking in Natural & Physical Sciences (GECRT-SC)		3
Critical Thinking in Social & Behavioral Sciences (GECRT-SS)		3
Culture & Diverse Perspectives (GECDV)		3
Civic & Urban Engagement (GECUE)		3
Total Credits		27

Constitution Course Requirement

Section 170.011.1 of the Missouri Revised Statutes, 2015, states that all candidates for a degree issued by a college or university in the state of Missouri must have "satisfactorily passed an examination on the provisions and principles of the Constitution of the United States and of the state of Missouri, and in American history and American institutions."

Courses at UMKC that satisfy this state requirement are:

Code	Title	Credits
Choose one of the following:		3
CJC 364	The Supreme Court And The Criminal Process	
HISTORY 101	U.S. History to 1877	
HISTORY 102	U.S. History Since 1877	
HONORS 230	Honors American Government	
POL-SCI 210	American Government	
Total Credits		3

There are a few other ways this requirement can be satisfied for students transferring to UMKC:

- Take an equivalent course from the list above at a regionally accredited institution.
- Earn credit for one of the above courses through AP, IB, or CLEP.
- Take a course that directly satisfies the Missouri Constitution Requirement at another Missouri institution.
- Have a previous bachelor's degree (or higher) from a regionally accredited institution.
- Have an Associate of Arts degree from a regionally accredited institution.
- Complete the 42 Hour Core at a Missouri institution and have it listed on the official transcript.

Major Requirements

Biology course requirements. Biology courses that fulfill the BS in Biology with the Clinical Laboratory Science emphasis requirements are listed below. A total of 32 credit hours of biology courses is required and at least 16 of these must be at the 300 or 400 level. A minimum of 16 credit hours of Biology courses must be earned from UMKC SBC. A grade of C- or better is required in each course used to fulfill these requirements.

The following courses are **required** of all students seeking the BS degree in Biology with the Clinical Laboratory Science emphasis.

Code	Title	Credits
BIOLOGY 108L & BIOLOGY 108 or MOTRBIOL 100LB or MOTRBIOL 150LB	General Biology I Laboratory and General Biology I MOTR Essential Biology w/ Lab - Botany MOTR Biology with Lab	4
BIOLOGY 109L & BIOLOGY 109 or MOTRBIOL 100LZ or MOTRBIOL 150LZ	General Biology II Laboratory and General Biology II MOTR Essential Biology with Lab MOTR Biology w/Lab	4
BIOLOGY 202	Cell Biology	3
BIOLOGY 206	Genetics	3
BIOLOGY 313	Microbiology	3
BIOLOGY 316	Principles of Physiology	3
BIOLOGY 313L	Laboratory in Microbiology	3
BIOLOGY 435	Immunology	3
BIOLOGY 441	Biochemistry	3
Total Credits		29

Code	Title	Credits
Choose Three or More Additional Hours in biology(one hour must be upper level)		3
Total Credits		3

Physical sciences and mathematics requirements. The following are required. A grade of C- or better is required in each course used to fulfill these requirements.

Code	Title	Credits
CHEM 211 or MOTRCHEM 150	General Chemistry I MOTR Chemistry I	4
CHEM 211L	Experimental General Chemistry I	1
CHEM 212R	General Chemistry II	4
CHEM 212LR	Experimental General Chemistry II	1
CHEM 320	Elementary Organic Chemistry	4
CHEM 320L	Experimental Organic Chemistry	1
CHEM 341WI	Analytical Chemistry I: Quantitative Analysis	4
MATH 120	Precalculus (satisfies Math Pathway and may be required based on placement)	5
MATH 210 or BIOLOGY 304 or STAT 235 or STAT 115 or MOTRMATH 110	Calculus I Biostatistics 1 Elementary Statistics Statistical Reasoning MOTR Statistical Reasoning	3-4
PHYSICS 210	General Physics I	4
PHYSICS 220	General Physics II	4
Total Credits		35-36

Satisfactory completion of a clinical program at an affiliated hospital. This will allow the student to earn 30 credit hours toward the bachelor's degree. Ten of the clinical hours are allowed as upper level biology toward the 42 hours required for the BS. Twenty of the clinical hours are allowed as upper level general science credit. Completion of the clinical program also fulfills the Biology Synthesis requirement.

Code	Title	Credits
Clinical Program		30

A total of **120** credit hours (minimum) is required; these may be taken from any area once other degree requirements have been met. For most students, more than 120 credit hours will be needed to meet all requirements.

A maximum of 12 hours for a combination of 399, 497, and 499 coursework may be applied toward with major with only 4 credit hours at the 400-level.

Minimum GPA: 2.0 (*UM cumulative; UM Biology*)

Total Credit Hours: 122-127

Tools for Planning and Fulfilling Academic Requirements

UMKC's Major Maps are detailed, semester by semester plans that lead a student to complete all degree requirements within four years. Plans include benchmarks and critical courses by term that assist a student's evaluation of progress and major "fit". In order to ensure that the appropriate courses are taken, students are encouraged to consult with the undergraduate advisor for this major. Please see the tab above to view the major map for this program.

UMKC's Transfer Guides (<https://www.umkc.edu/transfer/transfer-credit/transfer-guides.html>) provide detailed guidance on recommended transfer coursework, plans of study, transfer timelines, and transfer contact information. To ensure a seamless transfer experience, students are encouraged to work with both their community college advisor and a UMKC advisor when planning their coursework.

UMKC's PlanMyDegree 'Audit' (<https://www.umkc.edu/registrar/academic-programs/plan-my-degree.html>) degree audit system provides an individual evaluation of all degree requirements (General Education, Degree Specific, Major Specific, etc.) for students' officially recorded (Office of the Registrar) and "what if" exploratory plans of study. This evaluation is used to certify all graduation requirements.

UMKC's PlanMyDegree 'Plans' (<https://www.umkc.edu/registrar/academic-programs/plan-my-degree.html>) degree planning tool enables students to develop a personalized semester by semester plan of study towards completion of degree requirements for student's officially recorded (Office of the Registrar) and "what if" exploratory plans of study. Update and edit your full plan to degree completion each term and confirm accuracy each semester with your Academic Advisor(s).

Major Map

Four Year Graduation Plan - Courses & Critical Benchmarks for First Time College Students:

UMKC's Major Maps are detailed, undergraduate four-year course outlines that inform students on the classes they should take and when to take them. Outlines are updated yearly. Graduate students should visit their program's individual school for program outlines.

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

First Year

Fall Semester	Credits	Spring Semester	Credits
BIOLOGY 108 & 108L (or BIOLOGY 109 & 109L) ^{CC}	4	BIOLOGY 109 & 109L (or BIOLOGY 108 & 108L) ^{CC}	4
CHEM 211 & 211L ^{CC}	5	CHEM 212R & CHEM 212LR ^{CC}	5
GEFSE 101	3	ENGLISH 110	3
GECRT-SC 101, 102, or 103	3	GECRT-SS 101, 102, 104, 105, 106, 107, 108, or 111	3
	15		15

Second Year

Fall Semester	Credits	Spring Semester	Credits
BIOLOGY 202 or 206 ^{CC}	3	BIOLOGY 206 or 202 ^{CC}	3
STAT 235, 115, MATH 210, or BIOLOGY 304	3	CHEM 320 & 320L ^{CC}	5
PHYSICS 210	4	PHYSICS 220	4
COMM-ST 110, 277, or 140	3	GECRT-AH 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 112, 113, or 114	3
ENGLISH 225	3		
	16		15

Third Year

Fall Semester	Credits	Spring Semester	Credits	Summer Semester	Credits
BIOLOGY 441	3	BIOLOGY 435	3	Clinical Program at Affiliate Hospital	6
BIOLOGY 313	3	BIOLOGY 3XX/4XX Major Elective	3		
BIOLOGY 313WL	3	CHEM 341WI	4		
BIOLOGY 316	3	GECUE 201, 203, 204, 205, 206, or 272	3		
GECDV 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, or 211	3	HISTORY 101, 102, or POL-SCI 210	3		
15			16		6

Fourth Year

Fall Semester	Credits	Spring Semester	Credits
Clinical Program at Affiliate Hospital	12	Clinical Program at Affiliate Hospital	12
12		12	

Total Credits: 122

CC Critical Courses provide feedback regarding major fit and help indicate likelihood of successful completion of chosen academic program and degree.

Recommendations to Maintain Progress toward 4-Year Degree Completion

- Completion of the First Semester Experience (FSE) course in first term.
- Early completion of Written Communication, Oral Communication, and Math Pathway requirements.
- Maintain the minimum GPA required for academic Good Standing for your degree program.
- Completion at least 15 credit hours toward degree each regular semester. (*Students may use the summer to ensure completion of 30 hours per academic year or to lighten Fall and Spring course loads.*)
- Enrollment in Critical Courses as listed on the Major Map is recommended in order to maintain timely progress and completion of prerequisite coursework.
- Regular consultation with Academic Advisor(s) for program(s) of study is strongly recommended and may be required for some degree programs..

Roo Advising (<https://catalog.umkc.edu/roo-advising/>)

Email: roadvising@umkc.edu

Phone: 816-235-1148

Milestones Year 1

Fall Semester	Spring Semester
Login to PlanMyDegree (https://planmydegree.umkc.edu/selfserviceK/general/home.html):	Login to PlanMyDegree (https://planmydegree.umkc.edu/selfserviceK/general/home.html):
<ul style="list-style-type: none"> • Review your degree audit in PlanMyDegree • Create an academic plan for the Spring semester in PlanMyDegree 	<ul style="list-style-type: none"> • Review your degree audit in PlanMyDegree • Create an academic plan for Year 2 in PlanMyDegree
Schedule appointment with Academic Advisor to review Academic Plan and obtain Spring semester approval to release advising hold . (https://umkc.starfishsolutions.com/starfish-ops/support/login.html)	Schedule appointment with Academic Advisor to review Academic Plan and Year 2 approval to release advising hold .
Complete the Missouri Higher Education Civics Achievement Exam . (https://catalog.umkc.edu/undergraduate-academic-regulations-information/graduation/civics-exam)	Visit a faculty member during office hours/student drop-in hours to discuss their research.
Activate your Handshake account and take a look at on-campus positions. (https://www.umkc.edu/career-services/students/handshake.html)	Attend a Resume Workshop, Resume Blitz , or have a Resume Appointment with Career Services. (https://app.joinhandshake.com/edu/appointments/new)

Take one of the following **assessments** to get a better understanding of yourself (<https://www.umkc.edu/career-services/students/online-resources.html>): **Clifton Strengths**, **Focus2**, or **Agile Work Profiler**.

Attend the **Fall Jobs & Internship Fair** or the **STEM Fair** to understand who is recruiting UMKC students. (<https://www.umkc.edu/career-services/events>)

Attend **Convocation** and **Roo Welcome Events**. (<https://www.umkc.edu/get-involved/events/convocation.html>)

Join a **student organization**. (find them via RooGroups: https://roogroups.umkc.edu/home_login)

Attend an **Undergraduate Research Symposium** (August-SUROP or November).

Investigate on-campus **Undergraduate Research employment opportunities** (work-study funded UR Associates or grant-funded). (<https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html>)

Join a **journal club** or **research-focused student group**, if offered in your dept/unit.

Connect with **Emerging Research Scholars** in Multicultural Student Affairs (MSA). (<https://www.umkc.edu/msa/scholar-programs>)

Attend an **Employer Information Session** or **Networking in the 816** event. (<https://www.umkc.edu/career-services/events>)

Schedule a **Choosing a Career Path / College Major** appointment with a career coach to reflect on your major and see that it is in-line with career paths you are interested in. (<https://umkc.joinhandshake.com/stu/appointments/new>)

Attend events and explore **RooGroups**. (https://roogroups.umkc.edu/home_login)

Attend **Leadership Workshops** through the Office of Student Involvement. (<https://www.umkc.edu/get-involved/programs>)

Attend UMKC's Annual **Undergraduate Research Symposium** (April).

Enroll in a **EUREka** class (UMKC Essentials or lower-level in your MAP). (<https://www.umkc.edu/undergraduate-research/get-started>)

Identify **potential faculty mentors** in your major (UR-Linked: <https://net2.umkc.edu/intapps/ur-links>), or Dept/Unit Web sites).

Attend a **research lecture** or **creative presentation** in your major.

Thinking Ahead

Explore summer enrollment to get caught up or get ahead.

Explore study abroad opportunities with the Study Abroad and Global Engagement Office. (<https://www.umkc.edu/study-abroad>)

Explore national competitive awards and scholarships. (<https://www.umkc.edu/career-services/awards>)

Gain a general understanding of career outcomes for your chosen/desired majors.

Identify 2-3 career options.

Keep track of involvement using UMKC's Co-Curricular Transcript system. (<https://www.umkc.edu/get-involved/programs/co-curricular-engagement.html>)

Year 2

Fall Semester

Login to **PlanMyDegree** (<https://planmydegree.umkc.edu/selfserviceK/general/home.html>):

- Review your degree audit in **PlanMyDegree**
- Review and continue working on your academic plan in **PlanMyDegree**

Spring Semester

Login to **PlanMyDegree** (<https://planmydegree.umkc.edu/selfserviceK/general/home.html>):

- Review your degree audit in **PlanMyDegree**
- Build out your academic plan through graduation in **PlanMyDegree**

Schedule appointment with Academic Advisor to review Academic Plan and obtain Spring semester approval to **release advising hold**. (<https://umkc.starfishsolutions.com/starfish-ops/support/login.html>)

Attend the **Fall Jobs & Internship Fair** or any **career fair** to identify internship opportunities / hiring windows. (<https://www.umkc.edu/career-services/events>)

Have an employer or Career Coach review your **resume**. (<https://umkc.joinhandshake.com/stu/appointments/new>)

Schedule appointment with Academic Advisor to review Academic Plan and ensure all program requirements are planned and obtain plan approval to **release advising hold**.

Attend an **Employer Information Session** or **Networking in the 816** event. (<https://www.umkc.edu/career-services/events>)

Take part in a **job shadowing experience** or a **site visit**. (<https://www.umkc.edu/career-services/job-shadowing.html>)

Consider applying for an **on/off-campus internship or research opportunity**. (https://app.joinhandshake.com/edu/postings/pending?page=1&per_page=25 (https://app.joinhandshake.com/edu/postings/pending/?page=1&per_page=25) OR <https://www.umkc.edu/research> (<https://www.umkc.edu/research/>))

Take on a **Leadership role** in a student organization or project team. (<https://www.umkc.edu/get-involved/student-organizations> (<https://www.umkc.edu/get-involved/student-organizations/>))

Attend an **Undergraduate Research Symposium** (August-SUROP or November).

Enroll in a **EUReka** class (UMKC Essentials or lower-level in your MAP). (<https://www.umkc.edu/undergraduate-research/get-started> (<https://www.umkc.edu/undergraduate-research/get-started/>))

Investigate on-campus **Undergraduate Research** employment opportunities (work-study funded UR Associates or grant-funded). (<https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html>)

Meet with **potential faculty research mentors** in your major.

Investigate off-campus **Undergraduate Research** opportunities. (<https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html>)

Thinking Ahead

Explore summer enrollment to get caught up or get ahead.

Explore study abroad opportunities with the Study Abroad and Global Engagement Office. (<https://www.umkc.edu/study-abroad> (<https://www.umkc.edu/study-abroad/>))

Explore national competitive awards and scholarships. (<https://www.umkc.edu/career-services/awards> (<https://www.umkc.edu/career-services/awards/>))

Identify three internships or research opportunities that match your major and career goals.

Attend any **career fair**. (https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1&per_page=25 (https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1&per_page=25))

Connect with **Financial Wellness Center** and attend financial literacy workshops. (<https://www.umkc.edu/financial-wellness> (<https://www.umkc.edu/financial-wellness/>))

Attend UMKC's **Annual Undergraduate Research Symposium** (April).

Enroll in a **EUReka** class (UMKC Essentials or lower-level in your MAP). (<https://www.umkc.edu/undergraduate-research/get-started> (<https://www.umkc.edu/undergraduate-research/get-started/>))

Develop a plan with your faculty research mentor for years three and four.

Year 3

Fall Semester

Review your degree audit and academic plan in **PlanMyDegree** to ensure you are on track for anticipated graduation date.

Schedule an appointment or confirm enrollment plans as required with academic advisor to **release advising hold**. (<https://umkc.starfishsolutions.com/starfish-ops/support/login.html>)

Attend the **Fall Jobs & Internship Fair** or any career fair to discuss internship opportunities with employers. (<https://www.umkc.edu/career-services/events> (<https://www.umkc.edu/career-services/events/>))

Attend a workshop or appointment about **Cover Letters** and **LinkedIn**. (<https://app.joinhandshake.com/edu/appointments/new> (<https://app.joinhandshake.com/edu/appointments/new/>))

Apply to a minimum of 3 internships that are in-line with your major / career goals. (https://app.joinhandshake.com/edu/postings/pending?page=1&per_page=25 (https://app.joinhandshake.com/edu/postings/pending/?page=1&per_page=25))

Run for **executive positions** in student organizations. (<https://www.umkc.edu/get-involved/student-organizations> (<https://www.umkc.edu/get-involved/student-organizations/>))

Apply for **on/off-campus research opportunities**, including **SEARCH**. (<https://www.umkc.edu/undergraduate-research/student-grants> (<https://www.umkc.edu/undergraduate-research/student-grants/>))

Spring Semester

Review your degree audit and academic plan in **PlanMyDegree** to ensure you are on track for anticipated graduation date.

Schedule an appointment or confirm enrollment plans as required with academic advisor to **release advising hold**.

Submit **application for graduation** at the completion of 90 hours in Pathway. (<https://www.umkc.edu/registrar/academic-programs/graduation> (<https://www.umkc.edu/registrar/academic-programs/graduation/>))

Meet with an employer for an informational interview. (<https://cdn.careers.bloch.umkc.edu/wp-content/uploads/sites/130/2021/08/Bloch-Informational-Interviewing.pdf>)

Attend a Networking workshop or a **Networking in the 816** event. (<https://www.umkc.edu/career-services/events> (<https://www.umkc.edu/career-services/events/>))

Attend any **career fair**. (https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1&per_page=25 (https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1&per_page=25))

Attend **Grad Roo Fair**. (<https://sgs.umkc.edu/admissions/gradroo.html>)

Apply for **on/off-campus research opportunities**, including **SUROP**. (<https://www.umkc.edu/undergraduate-research/student-grants> (<https://www.umkc.edu/undergraduate-research/student-grants/>))

Enroll in upper-level **EUREKA** Course in your major (investigate senior thesis options in your major). (<https://www.umkc.edu/undergraduate-research/get-started> (<https://www.umkc.edu/undergraduate-research/get-started/>))

Conduct research with support of faculty mentor.

Present at UMKC's **Fall Research Symposium**. (<https://www.umkc.edu/undergraduate-research/presentations> (<https://www.umkc.edu/undergraduate-research/presentations/>))

Investigate opportunities to present your research at regional or national conferences.

Enroll in upper-level **EUREKA** Course in your major (investigate senior thesis options in your major). (<https://www.umkc.edu/undergraduate-research/get-started> (<https://www.umkc.edu/undergraduate-research/get-started/>))

Conduct research with support of faculty mentor.

Apply for **Undergraduate Research Fellow** transcript designation (March 1 deadline). (<https://www.umkc.edu/undergraduate-research/recognition> (<https://www.umkc.edu/undergraduate-research/recognition/>))

Present at UMKC's **Annual Symposium of Undergrad Research** in April. (<https://www.umkc.edu/undergraduate-research/presentations> (<https://www.umkc.edu/undergraduate-research/presentations/>))

Thinking Ahead

Explore summer enrollment to get caught up or get ahead.

Explore national competitive awards and scholarships. (<https://www.umkc.edu/career-services/awards> (<https://www.umkc.edu/career-services/awards/>))

Establish one to two contacts in your desired industry.

Complete an internship / employment opportunity related to your major / career goals.

Year 4

Fall Semester

Review your degree audit and academic plan in **PlanMyDegree** to ensure all requirements are planned by anticipated graduation date.

Schedule an appointment or confirm enrollment plans as required with academic advisor to **release advising hold**. (<https://umkc.starfishsolutions.com/starfish-ops/support/login.html>)

Attend the **Fall Jobs & Internship Fair** or the **STEM fair** to identify jobs to apply to. (<https://www.umkc.edu/career-services/events> (<https://www.umkc.edu/career-services/events/>))

Attend a workshop or appointment about Job Searching. (<https://app.joinhandshake.com/edu/appointments/new> (<https://app.joinhandshake.com/edu/appointments/new/>))

Have a **mock interview** appointment with a Career Coach. (<https://app.joinhandshake.com/edu/appointments/new> (<https://app.joinhandshake.com/edu/appointments/new/>))

Serve on one or more **student advisory boards**.

Apply for **on/off-campus research opportunities**, including **SEARCH**. (<https://www.umkc.edu/undergraduate-research/student-grants> (<https://www.umkc.edu/undergraduate-research/student-grants/>))

Conduct research with support of faculty mentor.

Request nomination for **Undergraduate Research Day @ the Capitol** (URD@C) from your faculty mentor (November 1 deadline). (<https://www.umkc.edu/undergraduate-research/presentations/undergraduate-research-day-at-the-capitol> (<https://www.umkc.edu/undergraduate-research/presentations/undergraduate-research-day-at-the-capitol/>))

Present Your Research at **Fall UR Symposium** or at a regional or national conference in your discipline. (<https://www.umkc.edu/undergraduate-research/presentations> (<https://www.umkc.edu/undergraduate-research/presentations/>))

Feature research accomplishments on résumé or grad/professional school applications.

Spring Semester

Review your degree audit and academic plan in **PlanMyDegree** to ensure all requirements are planned by anticipated graduation date.

Take **UMKC HEIghten Exam**. (<https://net3.umkc.edu/intapps/exitexams/Home.aspx>)

Pay close attention to email for information about **Graduation Fair** and **Commencement Exercises**.

Attend a Networking workshop or a **Networking in the 816** event. (<https://www.umkc.edu/career-services/events> (<https://www.umkc.edu/career-services/events/>))

Attend any **career fair**. ([https://umkc.joinhandshake.com/stu/events?](https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1) (<https://umkc.joinhandshake.com/stu/events?collection=ALL&categories=5&eventFormat=HYBRID&sort=RELEVANCE&date=ALL&page=1>))

Attend a **senior send-off** and **Commencement-related events**. (<https://www.umkc.edu/commencement> (<https://www.umkc.edu/commencement/>))

Apply to a minimum of 5 jobs or **submit applications** to professional / graduate programs as needed. (https://app.joinhandshake.com/edu/postings/pending?page=1&per_page=25 (https://app.joinhandshake.com/edu/postings/pending/?page=1&per_page=25))

Conduct research with support of faculty mentor.

Present Your Research at **UMKC's Annual Symposium of Undergraduate Research** (April) or at a regional or national conference in your discipline.

In Canvas, complete all requirements in your **Graduation Checklist** (will appear in the second 8 weeks of the semester).

Celebrate your awesomeness!

Thinking Ahead

Successfully obtain full-time work or graduate school admission and report your outcome in 12Twenty. (<https://www.umkc.edu/career-services/students/12twenty.html>)

Give back by speaking at student leadership panels or participating in alumni events.