

# BACHELOR OF INFORMATION TECHNOLOGY

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## ABET Program Educational Objectives

Within a few years of graduation, graduates of the Information Technology program are expected to:

- Demonstrate peer-recognized expertise, and articulate that expertise for use in contemporary problem solving in the analysis, design and evaluation of computing and technology practices, as productive members of diverse professional teams.
- Successfully apply technical and business knowledge in a variety of contexts to innovate and create transformational change for metropolitan, regional, and global advancement.
- Demonstrate leadership in ethical and responsible development and deployment of secure technology to solve real-world problems and minimize risk in diverse communities, environments, and user groups.
- Demonstrate lifelong learning and professional growth via advanced study, career advancement, or social contributions.

## ABET Student Outcomes

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

## 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:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

- Function effectively as a member of a leader of a team engaged in activities appropriate to the program's discipline.
- Identify and analyze user needs and take them into account in the selection, creation, integration, evaluation and administration of computing-based systems.
- Apply cybersecurity principles and practices to the development and operation of security-critical cyber systems. (Cybersecurity emphasis only)

## Program Description

The Bachelor of Information Technology is accredited by the Computing Accreditation Commission of ABET (<http://www.abet.org> (<http://www.abet.org/>)).

The use of computers in commerce and industry keeps the college educated IT professional at the forefront of occupational demand. The Bachelor of Information Technology (B.I.T.) program prepares for a career path where the student contributes to the continued deployment of technology infrastructure (operating systems, browsers, applications, software, networking, etc.). It blends both CS, IT, and Business coursework and requires an internship for the completion of the degree. Please contact the SS&C Student Services Center for more information at (816)235-2399 or [sse@umkc.edu](mailto:sse@umkc.edu).

## Educational Objectives

The Bachelor of Information Technology degree is designed so that graduates will attain employment in an IT related field. Some graduates will achieve appropriate certifications and/or will pursue advanced study in business, IT or other fields. Graduates will be engaged in lifelong learning and thereby advance in their careers.

## Career Implications

There remains a large and growing number of unfulfilled IT positions both nationwide and within the Kansas City area. B.I.T. graduates are typically employed as software developers, network specialists, web developers, information system operators, programmer analysts, digital media specialists and database administrators. The need of the future is for students with an analytic and problem solving mindset who are able to adapt quickly to an ever-changing environment.

## Admission Requirements

High school students planning to apply to this degree program are strongly encouraged to take a college preparatory program that emphasizes mathematics, science and communication skills.

First-time college student applicants to the undergraduate program in information technology will be automatically admitted if they obtain:

1. An ACT mathematics score of at least 25 and
2. An ACT composite score of at least 24 and
3. A 3.0 core high school GPA.

First-time college student applicants who do not meet the above criteria but do meet UMKC general admission requirements will have their applications reviewed for admission. Applicants who are not admitted to this degree program but do meet UMKC general admission requirements may be admitted to University College.

Students without the prerequisite preparation must take the needed coursework before enrolling in courses required for the bachelor's degree. Students seeking re-admission must have been in good academic standing when last enrolled. Otherwise, re-admission requires a formal review by the undergraduate program committee.

Transfer applicants must have at least 24 credits of transferable college credit, an overall 2.0 GPA on a 4.0 scale in all coursework, which includes repeated coursework, attempted at previous institutions. Transfer applicants without a 2.0 or higher college GPA must submit a petition for admission.

## Program Requirements

The requirements for the BIT degree are categorized into several areas totaling at least 120 hours of study.

### 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	
COMM-ST 277	Interpersonal Communication	
Math Pathway (Satisfied in program requirements below)		
Critical Thinking in Arts & Humanities (GECRT-AH)		3
Critical Thinking in Natural & Physical Sciences (GECRT-SC; Satisfied in program requirements below)		
Critical Thinking in Social & Behavioral Sciences (GECRT-SS)		3
Culture & Diverse Perspectives (GECDV)		3
Civic & Urban Engagement (GECUE; Satisfied in program requirements below)		
<b>Total Credits</b>		<b>21</b>

## 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	
<b>Total Credits</b>		<b>3</b>

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

A minimum grade of C- is required in all courses offered in the School of Science & Engineering.

Code	Title	Credits
<b>Mathematics (satisfies Math Pathway)</b>		
MATH 120 (Precalculus; Typically not required due to ACT Admission Requirement)		
MATH 210	Calculus I <sup>1</sup>	4
STAT 235	Elementary Statistics <sup>1</sup>	3
or STAT 115	Statistical Reasoning	
or MOTRMATH 110	MOTR Statistical Reasoning	
<b>Life and Physical Sciences</b>		<b>7</b>
One Life Science <sup>3</sup>		
One Physical Science <sup>3</sup>		
To include at least one laboratory component		
<b>General Education Synthesis</b>		
COMP-SCI 449	Foundations of Software Engineering	3
COMP-SCI 451R	Software Engineering Capstone	3
<b>Anatomy of Business</b>		
ACCTNG 210	Introduction To Financial Accounting	3
ECON 202	Principles of Microeconomics	3

MKT 324	Principles of Marketing	3
DSOM 340 or MGT 332	Supply Chain and Operations Management Principles of Organizational Behavior	3
Select two of the following Business courses:		6
ACCTNG 211	Introduction To Managerial Accounting	
ENT 315 or ENT 215	Entrepreneurial Mindset and Opportunity Recognition Introduction to Entrepreneurship	
FIN 325	Financial Management	
MGT 332	Principles of Organizational Behavior (if not already completed above) <sup>2</sup>	
<b>Computer Science/Information Technology</b>		
COMP-SCI 101 & 101L	Problem Solving and Programming I and Problem Solving & Programming I Lab	4
COMP-SCI 191	Discrete Structures I	3
COMP-SCI 201R & COMP-SCI 201L	Problem Solving and Programming II and Problem Solving and Programming II - Lab	4
COMP-SCI 281R	Introduction to Computer Architecture and Organization (satisfies GECRT-SC course requirement)	3
COMP-SCI 291	Discrete Structures II	3
COMP-SCI 303	Data Structures	3
COMP-SCI 304	Ethics and Professionalism (Satisfies GECUE Requirement)	3
COMP-SCI 320	Data Communications and Networking	3
COMP-SCI 431	Introduction to Operating Systems	3
COMP-SCI 456	Human Computer Interface	3
COMP-SCI 470	Introduction to Database Management Systems	3
INFO-TEC 222	Multimedia Production and Concepts	3
INFO-TEC 321	Introduction to Computing Resources Administration	3
<b>Total Credits</b>		<b>79</b>

<sup>1</sup> Math Placement Assessment may be required.

<sup>2</sup> Course required if pursuing a business minor.

<sup>3</sup> Must be major-level course, OR have College Algebra or higher as pre-requisite or co-requisite.

Code	Title	Credits
<b>CS/IT Electives (Upper Division)</b>		<b>9</b>
Courses regularly offered include:		
COMP-SCI 353	Functional Programming	
COMP-SCI 361	Introduction to Cybersecurity	
COMP-SCI 426	Network Security	
COMP-SCI 436	Digital Forensics	
COMP-SCI 457	Software Architecture: Requirements & Design	
COMP-SCI 458	Software Testing and Verification	
COMP-SCI 483	Software Security	
COMP-SCI 490	Special Topics	
<b>Internship Requirement <sup>2</sup></b>		
Take 1 hour of the following:		1
INFO-TEC 491	Internship	
<b>General Electives</b>		<b>7</b>
<b>Total Credits</b>		<b>17</b>

<sup>2</sup> Students with appropriate CS/IT business experience may petition to replace the internship requirement with a 3 credit hour senior CS/IT course.

**Minimum GPA: 2.0**

**Total Credit Hours: 120**

## 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
MATH 210 <sup>CC</sup>		4 STAT 235	3
COMP-SCI 101 & 101L <sup>CC</sup>		4 COMP-SCI 191 <sup>CC</sup>	3
GEFSE 101		3 COMP-SCI 201R & COMP-SCI 201L	4
ENGLISH 110		3 ENGLISH 225	3
		GECRT-SS 101, 102, 104, 105, 106, 107, 108, or 111	3
		<b>14</b>	<b>16</b>

#### Second Year

Fall Semester	Credits	Spring Semester	Credits
COMP-SCI 291		3 COMP-SCI 281R (Satisfies GECRT-SC)	3
COMP-SCI 303		3 INFO-TEC 222	3
ACCTNG 210		3 MKT 324	3
ECON 202		3 Life Science Elective (with Lab)	4
COMM-ST 110, 140, or 277		3 GECRT-AH 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 112, 113, or 114	3
		<b>15</b>	<b>16</b>

**Third Year**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
COMP-SCI 431		3 COMP-SCI 470	3
COMP-SCI 304 (Satisfies GECUE Requirement)		3 DSOM 340 or MGT 332	3
INFO-TEC 321		3 CS/IT 3XX/4XX	3
HISTORY 101, 102, or POL-SCI 210		3 Physical Science Elective (with Lab if not yet completed)	3
GECDV 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, or 211		3 Business Course	3
		<b>15</b>	<b>15</b>

**Fourth Year**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
COMP-SCI 320		3 COMP-SCI 451R	3
COMP-SCI 449		3 CS/IT 3XX/4XX	3
COMP-SCI 456		3 INFO-TEC 491	1
General Elective		3 Business Course	3
CS/IT 3XX/4XX		3 General Elective	4
		<b>15</b>	<b>14</b>

**Total Credits: 120**

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 of 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: [rooadvising@umkc.edu](mailto:rooadvising@umkc.edu)

Phone: 816-235-1148

## Milestones

### Year 1

<b>Fall Semester</b>	<b>Spring Semester</b>
Login to ( <a href="https://planmydegree.umkc.edu/selfserviceK/general/home.html">https://planmydegree.umkc.edu/selfserviceK/general/home.html</a> ) <b>PlanMyDegree</b> :	Login to ( <a href="https://planmydegree.umkc.edu/selfserviceK/general/home.html">https://planmydegree.umkc.edu/selfserviceK/general/home.html</a> ) <b>PlanMyDegree</b> :
<ul style="list-style-type: none"> <li>• Review your degree audit in <b>PlanMyDegree</b></li> </ul>	<ul style="list-style-type: none"> <li>• Review your degree audit in <b>PlanMyDegree</b></li> </ul>
<ul style="list-style-type: none"> <li>• Create an academic plan for the Spring semester in <b>PlanMyDegree</b></li> </ul>	<ul style="list-style-type: none"> <li>• Create an academic plan for Year 2 in <b>PlanMyDegree</b></li> </ul>
Schedule appointment with Academic Advisor to review Academic Plan and obtain Spring semester approval to ( <a href="https://umkc.starfishsolutions.com/starfish-ops/support/login.html">https://umkc.starfishsolutions.com/starfish-ops/support/login.html</a> ) <b>release advising hold</b> .	Schedule appointment with Academic Advisor to review Academic Plan and Year 2 approval to ( <a href="https://umkc.starfishsolutions.com/starfish-ops/support/login.html">https://umkc.starfishsolutions.com/starfish-ops/support/login.html</a> ) <b>release advising hold</b> .

Complete the (<https://catalog.umkc.edu/undergraduate-academic-regulations-information/graduation/civics-exam/>) **Missouri Higher Education Civics Achievement Exam**.

Activate your (<https://www.umkc.edu/career-services/students/handshake.html>) **Handshake** account and take a look at on-campus positions.

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

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

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

Join a ([https://roogroups.umkc.edu/home\\_login/](https://roogroups.umkc.edu/home_login/)) **student organization**. (find them via RooGroups)

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

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

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

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

Visit a faculty member during **office hours/student drop-in hours** to discuss their research.

Attend a (<https://app.joinhandshake.com/edu/appointments/new/>) **Resume Workshop**, **Resume Blitz**, or have a **Resume Appointment** with Career Services.

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

Schedule a (<https://umkc.joinhandshake.com/stu/appointments/new/>) **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.

Attend events and explore ([https://roogroups.umkc.edu/home\\_login/](https://roogroups.umkc.edu/home_login/)) **RooGroups**.

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

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

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

Identify (<https://net2.umkc.edu/intapps/ur-links/>) **potential faculty mentors** in your major (UR-Linked 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 (<https://planmydegree.umkc.edu/selfserviceK/general/home.html>) **PlanMyDegree**:

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

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

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

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

### Spring Semester

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

- 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 ensure all program requirements are planned and obtain plan approval to (<https://umkc.starfishsolutions.com/starfish-ops/support/login.html>) **release advising hold**.

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

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

Consider applying for an ( <a href="https://app.joinhandshake.com/edu/postings/pending/?page=1&amp;per_page=25">https://app.joinhandshake.com/edu/postings/pending/?page=1&amp;per_page=25</a> OR <a href="https://www.umkc.edu/research/">https://www.umkc.edu/research/</a> ) <b>on/off-campus internship</b> or <b>research opportunity</b> .	Attend any ( <a href="https://umkc.joinhandshake.com/stu/events/?collection=ALL&amp;categories=5&amp;eventFormat=HYBRID&amp;sort=RELEVANC">https://umkc.joinhandshake.com/stu/events/?collection=ALL&amp;categories=5&amp;eventFormat=HYBRID&amp;sort=RELEVANC</a> ) <b>fair</b> .
Take on a ( <a href="https://www.umkc.edu/get-involved/student-organizations/">https://www.umkc.edu/get-involved/student-organizations/</a> ) <b>Leadership role</b> in a student organization or project team.	Connect with ( <a href="https://www.umkc.edu/financial-wellness/">https://www.umkc.edu/financial-wellness/</a> ) <b>Financial Wellness Center</b> and attend financial literacy workshops.
Attend an <b>Undergraduate Research Symposium</b> (August-SUROP or November).	Attend UMKC's <b>Annual Undergraduate Research Symposium</b> (April).
Enroll in a ( <a href="https://www.umkc.edu/undergraduate-research/get-started/">https://www.umkc.edu/undergraduate-research/get-started/</a> ) <b>EUREKA</b> class (UMKC Essentials or lower-level in your MAP).	Enroll in a ( <a href="https://www.umkc.edu/undergraduate-research/get-started/">https://www.umkc.edu/undergraduate-research/get-started/</a> ) <b>EUREKA</b> class (UMKC Essentials or lower-level in your MAP).
Investigate on-campus ( <a href="https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html">https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html</a> ) <b>Undergraduate Research</b> employment opportunities (work-study funded UR Associates or grant-funded).	<b>Develop a plan</b> with your faculty research mentor for years three and four.
Meet with <b>potential faculty research mentors</b> in your major.	
Investigate off-campus ( <a href="https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html">https://www.umkc.edu/undergraduate-research/student-resources/more-research-opportunities.html</a> ) <b>Undergraduate Research</b> opportunities.	

### 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/>)
- Identify three internships or research opportunities that match your major and career goals.

## Year 3

Fall Semester	Spring Semester
Review your degree audit and academic plan in <b>PlanMyDegree</b> to ensure you are on track for anticipated graduation date.	Review your degree audit and academic plan in <b>PlanMyDegree</b> to ensure you are on track for anticipated graduation date.
Schedule an appointment or confirm enrollment plans as required with academic advisor to ( <a href="https://umkc.starfishsolutions.com/starfish-ops/support/login.html">https://umkc.starfishsolutions.com/starfish-ops/support/login.html</a> ) <b>release advising hold</b> .	Schedule an appointment or confirm enrollment plans as required with academic advisor to ( <a href="https://umkc.starfishsolutions.com/starfish-ops/support/login.html">https://umkc.starfishsolutions.com/starfish-ops/support/login.html</a> ) <b>release advising hold</b> .
Attend the ( <a href="https://www.umkc.edu/career-services/events/">https://www.umkc.edu/career-services/events/</a> ) <b>Fall Jobs &amp; Internship Fair</b> or any career fair to discuss internship opportunities with employers.	Submit ( <a href="https://www.umkc.edu/registrar/academic-programs/graduation/">https://www.umkc.edu/registrar/academic-programs/graduation/</a> ) <b>application for graduation</b> at the completion of 90 hours in Pathway.
Attend a workshop or appointment about ( <a href="https://app.joinhandshake.com/edu/appointments/new/">https://app.joinhandshake.com/edu/appointments/new/</a> ) <b>Cover Letters</b> and <b>LinkedIn</b> .	Meet with an employer for an informational interview. ( <a href="https://cdn.careers.bloch.umkc.edu/wp-content/uploads/sites/130/2021/08/Bloch-Informational-Interviewing.pdf">https://cdn.careers.bloch.umkc.edu/wp-content/uploads/sites/130/2021/08/Bloch-Informational-Interviewing.pdf</a> )
Apply to a minimum of 3 internships that are in-line with your major / career goals. ( <a href="https://app.joinhandshake.com/edu/postings/pending/?page=1&amp;per_page=25">https://app.joinhandshake.com/edu/postings/pending/?page=1&amp;per_page=25</a> )	Attend a Networking workshop or a ( <a href="https://www.umkc.edu/career-services/events/">https://www.umkc.edu/career-services/events/</a> ) <b>Networking in the 816</b> event.
Run for ( <a href="https://www.umkc.edu/get-involved/student-organizations/">https://www.umkc.edu/get-involved/student-organizations/</a> ) <b>executive positions</b> in student organizations.	Attend any ( <a href="https://umkc.joinhandshake.com/stu/events/?collection=ALL&amp;categories=5&amp;eventFormat=HYBRID&amp;sort=RELEVANC">https://umkc.joinhandshake.com/stu/events/?collection=ALL&amp;categories=5&amp;eventFormat=HYBRID&amp;sort=RELEVANC</a> ) <b>fair</b> .
Apply for ( <a href="https://www.umkc.edu/undergraduate-research/student-grants/">https://www.umkc.edu/undergraduate-research/student-grants/</a> ) <b>on/off-campus research opportunities</b> , including <b>SEARCH</b> .	Attend ( <a href="https://sgs.umkc.edu/admissions/gradroo.html">https://sgs.umkc.edu/admissions/gradroo.html</a> ) <b>Grad Roo Fair</b> .
Enroll in upper-level ( <a href="https://www.umkc.edu/undergraduate-research/get-started/">https://www.umkc.edu/undergraduate-research/get-started/</a> ) <b>EUREKA</b> Course in your major (investigate senior thesis options in your major).	Apply for ( <a href="https://www.umkc.edu/undergraduate-research/student-grants/">https://www.umkc.edu/undergraduate-research/student-grants/</a> ) <b>on/off-campus research opportunities</b> , including <b>SUROP</b> .
<b>Conduct research</b> with support of faculty mentor.	Enroll in upper-level ( <a href="https://www.umkc.edu/undergraduate-research/get-started/">https://www.umkc.edu/undergraduate-research/get-started/</a> ) <b>EUREKA</b> Course in your major (investigate senior thesis options in your major).
Present at UMKC's ( <a href="https://www.umkc.edu/undergraduate-research/presentations/">https://www.umkc.edu/undergraduate-research/presentations/</a> ) <b>Fall Research Symposium</b> .	<b>Conduct research</b> with support of faculty mentor.
<b>Investigate opportunities to present your research</b> at regional or national conferences.	Apply for ( <a href="https://www.umkc.edu/undergraduate-research/recognition/">https://www.umkc.edu/undergraduate-research/recognition/</a> ) <b>Undergraduate Research Fellow</b> transcript designation (March 1 deadline).
	Present at UMKC's ( <a href="https://www.umkc.edu/undergraduate-research/presentations/">https://www.umkc.edu/undergraduate-research/presentations/</a> ) <b>Annual Symposium of Undergrad Research</b> in April.

**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/>)

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 (<https://umkc.starfishsolutions.com/starfish-ops/support/login.html>)**release advising hold**.

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

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

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

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

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

**Conduct research** with support of faculty mentor.

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

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

**Feature research accomplishments** on résumé or grad/professional school applications. **Celebrate your awesomeness!**

**Spring Semester**

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

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

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

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

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

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

**Apply** to a minimum of 5 jobs or **submit applications** to professional / graduate programs as needed.

**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).

**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.