At UMKC’s School of Biological and Chemical Sciences we’re all about discovery, and not just through cutting-edge research. As a student at SBC, you’ll go on a journey of self-discovery that leads to your ideal career.
Build Your Dream Career

At SBC, we help you tailor your classes to reach your personal career goals. Students looking to develop expertise in more than one area may consider a minor, double major or dual degree. Your advisor will help you figure out which option is right for you.

UNDERGRADUATE DEGREE OPTIONS

BIOLOGY
Bachelor of Arts
Bachelor of Science

Emphasis Areas
Bioinformatics
Biomedical Sciences
Biotechnology
Cellular and Molecular Basis of Health
Clinical Laboratory Sciences

CHEMISTRY
Bachelor of Arts
Bachelor of Science, ACS approved

GRADUATE DEGREE OPTIONS

BIOLOGY
Master of Arts in Biology
Master of Science in Cell and Molecular Biology
Interdisciplinary Ph.D. in Biology

CHEMISTRY
Master of Science in Chemistry
Interdisciplinary Ph.D. in Chemistry

COMMON ADDITIONAL AREAS OF STUDY

Business
Foreign Language
Mathematics
Physics
Public Health
Psychology

SEE WHAT SETS US APART.

Schedule a campus tour at: UMKC.EDU/WELCOME
Explore the Possibilities

A degree in biology or chemistry opens up a world of different job opportunities, and at UMKC, you can explore them all. Your first two years of coursework are designed to broaden your understanding of possible careers in your chosen field, so you can find and follow your true passion. Most students pursue one of two tracks:

**PRE-PROFESSIONAL TRACK**
For students who plan to enter professional schools after finishing their undergraduate degree, including pre-health students.

*Possible career tracks and salaries*
- Dentist: $129,201
- Optometrist: $102,616
- Pharmacist: $112,703
- Physician, general practice: $146,604
- Physician assistant: $93,787
- Veterinarian: $78,085

**RESEARCH TRACK**
For students who plan to seek employment after finishing their undergraduate degree or are considering graduate school.

*Possible career tracks and salaries*
- Biotechnologist: $57,528
- Chemist: $54,896
- Clinical trial manager: $98,582
- Food scientist: $61,065
- Forensic scientist: $53,872
- Scientific researcher: $65,043

*Average salary in United States, PayScale (2019)*

More than 250 biotechnology and life sciences companies call the Greater Kansas City area home, employing more than 30,000 people.

Each year, 11,900+ jobs are posted on the UMKC Career Network by 2,350+ local, national and international employers.

See what makes our curriculum stand out: SBC.UMKC.EDU/ACADEMICS

PREPARE YOU FOR THE FUTURE.
Make Professional Connections

SCIENCE ROOMS ARE EVERYWHERE!

You’ll find UMKC graduates working at some of the top employers in Kansas City and around the world.
Mentorship

SBC faculty go the extra mile to help students succeed, both inside and outside the classroom. They’re not just teachers — they’re mentors who can help with research, homework, career planning and personal guidance.

Biology student Ethan Granger says associate teaching professor Tammy Welchert isn’t just a mentor, she’s also a friend who keeps him focused on his future.
Research

Our faculty are leaders in cutting-edge research, from developing new technology for diagnosing concussions to finding a link between sleep and memory performance, and you can be a part of it. As an undergraduate student, you’ll have the opportunity to work in state-of-the-art laboratories alongside faculty whose research is world-renowned. Here’s a look at just some of SBC’s research areas.

**BIOLOGY**

- Cell signaling
- Entomology
- Evolutionary biology
- Marine and aquatic biology
- X-ray crystallography

**CHEMISTRY**

- Biological inorganic chemistry
- Drug delivery
- Nanomaterials
- Organic synthesis
- Solid-state nuclear magnetic resonance

“Never again in your life are you going to be surrounded by so many people who are more invested in your success than you are right here at UMKC.”

— TAMMY WELCHERT, associate teaching professor

SEE WHY OUR RESEARCH GETS INTERNATIONAL ATTENTION.

Meet our research faculty: SBC.UMKC.EDU/RESEARCH
Student Life

**LIVE AND LEARN ON CAMPUS**

**BIOLOGY BOOT CAMP**
Experience what it's like to be a biology or chemistry major and set yourself up for success. Biology Boot Camp is a weeklong, risk-free chance for you to see what biology homework, exams, labs and lectures are like at UMKC. You’ll also get familiar with campus and meet fellow students, advisors and faculty, all before classes even start!

**LIVING-LEARNING COMMUNITY**
Have a question about your homework? Knock on your neighbor’s door and help is there! Our Living-Learning Community places you in the same residence hall as other SBC students, so you can live and learn together. You’ll also have access to evening advising hours, events with alumni and social activities with your friends in SBC.

**STUDENT GROUPS AND ORGANIZATIONS**
With 300+ student organizations at UMKC, it’s easy to get involved. Here are just a few that are popular with SBC students.

- Biological Sciences Society
- Pre-Dental Society
- Pre-Medical Society
- Pre-Optometry Society
- Pre-Pharmacy Society
- Pre-Physician Assistant Society
- SBC-Student Government Association

**LIFE IN KANSAS CITY**
UMKC is located in the heart of a vibrant, growing city with lots of diversity and tons to do. You’ll be just steps away from some of the best Kansas City has to offer.

“The diversity of UMKC compared to other universities is crazy. I have never been prouder of a campus to have support for all their students.”

– TINA PARKI, chemistry student
The diversity of UMKC compared to other universities is crazy. I have never been prouder of a campus to have support for all their students.

– TINA PARKI, chemistry student

Next Steps

☑ LEARN ABOUT SBC
Find out how UMKC can help you achieve your goals at SBC.UMKC.EDU.

☐ VISIT CAMPUS
Schedule a tour at UMKC.EDU/WELCOME. We can’t wait to meet you!

☐ APPLY!

FIND OUT WHAT LIFE ON CAMPUS IS LIKE.

See all there is to do: UMKC.EDU/STUDENT-LIFE