

## **Ph.D. in Cell Biology and Biophysics or Molecular Biology and Biochemistry**

The School of Science and Engineering participates in UMKC's Interdisciplinary Ph.D. program. Students will be trained in the fundamental principles of cell biology, molecular biology and biochemistry, and will develop the independent research skills for successful careers as research scientists.

To apply go to <https://www.umkc.edu/admissions/apply/graduate-professional-application-process.html>, and click on the Apply Now button in the middle of the page. Potential students need to choose either Cell Biology & Biophysics (CBB) or Molecular Biology & Biochemistry (MBB) as the coordinating discipline. Applicants to both the CBB and MBB disciplines will be evaluated as a group. At the end of the first year in the program, students will select a dissertation advisor, and the coordinating discipline will be assigned at that time. Note: To apply to the I.Ph.D. program, you need to apply to the School of Graduate Studies. The deadline for complete applications is February 15 each year.

### Requirements for applying to the CBB and MBB disciplines:

- A baccalaureate degree in biology, chemistry, physics or related discipline, and a 3.0 cumulative grade point average (3.2+ expected).
- Three letters of recommendation from those familiar with the student's academic and intellectual capabilities.
- A personal statement (1-2 pages).
- A minimum TOEFL score of 90 (out of 120) on the internet based exam or an overall band score of 7.0 on the IELTS exam (international applicants only). This will be waived if an international applicant has earned a baccalaureate degree from a US college or university.

### Financial Assistance:

All I.Ph.D. candidates accepted to our graduate program are provided financial support. Assistantships for doctoral students provide a stipend of \$24,000 per year. Once a doctoral student has passed their qualifying exam, the stipend is increased to \$25,000.

### Courses for the I.Ph.D. in CBB and MBB (48 cr. hr.):

7 cr. hr.	LSMBB 5561/5562, General Biochemistry I and II
6 cr. hr.	LSCBB 5530/5520, Cell and Molecular Biology I and II
4 cr. hr.	LSMBB 5596/LSCBB 5597, Advanced Experimental Methods
3 cr. hr.	LSMBB 5611 and LSCBB 5612, Seminar in MBB/CBB
5 cr. hr.	LSMBB/CBB 5690, Analytical Methods
1 cr. hr.	BIOL 5501, Proposal Writing
7 cr. hr.	Elective
15 cr. hr.	LSMBB/CBB 5699, Dissertation Research

Other questions? Contact:

Dr. Jeffrey Price

Professor and Graduate Programs Officer

pricejl@umkc.edu