

Master of Science in Biomedical Sciences

The MS in Biomedical Sciences Program requires 37 graduate credit hours. Students accepted into the program will complete a combination of credits from the MS (a) core curriculum and (b) elective curriculum. Students will be able to take joint classes with first-year students in the Debusk College of Osteopathic Medicine. Successful completion (grade of B or higher) of those medical school course will transfer if students matriculate into the DeBusk College of Osteopathic Medicine.

The Core Curriculum consists of 31 graduate credit hours.

- *ANAT 701 Medical Gross Anatomy (7 credits)
- *ANAT 714 Medical Histology (4 credits)
- BCHM 503 Advanced Cellular Biochemistry (3 credits)
- LSCI 503 Advanced Molecular Genetics and Cell Biology (3 credits)
- LSCI 510 Advanced Vertebrate Physiology (3 credits)
- LSCI 603 Colloquial Principles of Life Sciences (1 credit)
- **LSCI 610 Advanced Immunology (3 credits)
- **LSCI 611 Introduction to Pharmacology (3 credits)
- **LSCI 612 Bacteriology and Virology (3 credits)
- **LSCI 613 Case Studies in Life Sciences (1 credit)

The Elective Curriculum consists of 6 graduate credits. Students must select one class from each section.

Section 1- Select 1 class (3 credits)

- LSCI 604 Research Design and Analysis (3 credits)
- LSCI 606 Applied Ethics in Biomedical Sciences (3 credits)

Section 2- Select 1 class (3 credits)

- *ANAT 715 Neuroanatomy (3 credits)
- ANAT 699 Medical Gross Dissection (3 credits)
- LSCI 506 Microscopic Imaging Theory and Techniques (3 credits)
- LSCI 653 Special Topics (3 credits)
- LSCI 683 Life Science Graduate Research Project (3 credits)

* Denotes courses that taught in conjunction with the DeBusk College of Osteopathic Medicine.

Guaranteed Acceptance and Interview Tiers

Students in the Anatomical Sciences and Biomedical Sciences majors who maintain a cumulative 3.4 graduate GPA or higher in the fall semester, has a MCAT score of 499, and completes their American Association of Osteopathic Medicine Application Service (AACOMAS) application are guaranteed acceptance at DCOM pending a satisfactory interview. If a student drops at least one of the professional school courses (ANAT 701 and ANAT 714) during the fall semester then he/she will not be granted the interview for the guaranteed acceptance tier. Before the actual interview, an interview workshop is provided along with an individual mock interview with faculty/staff in MS program. Many of the students in the program, will learn about their acceptance into DCOM before the end of the spring semester in the BP program. This acceptance will be contingent on successful completion of the spring semester courses with grades of B or higher. Failure to successfully complete all spring courses may result in rescinded acceptance to DCOM.

Students in the Anatomical Sciences and Biomedical Sciences majors who maintain a cumulative 3.0 graduate GPA or higher in the fall semester and complete their American Association of Osteopathic Medicine Application Service (AACOMAS) application are guaranteed an interview at DCOM in the spring semester. If a student drops at least one of the professional school courses (ANAT 701 and ANAT 714) during the fall semester then he/she will not be granted the interview. Before the actual interview, an interview workshop is provided along with an individual mock interview with faculty/staff in MS program. Many of the students in the program, will learn about their acceptance into DCOM before the end of the spring semester in the BP program. This acceptance will be contingent on successful completion of the spring semester courses with grades of B or higher. Failure to successfully complete all spring courses may result in rescinded acceptance to DCOM.