

## Masters of Science in Biomedical Sciences

### 2017 – 2018 Academic Year

The School of Graduate Studies in the Health Sciences at the University of Mississippi Medical Center offers a Master of Science degree in Biomedical Sciences. The degree program is designed to meet the needs of several groups of students:

- Those seeking to broaden their scientific background prior to application to, or entry into, **professional or graduate school**,
- Those interested in **teaching at the high school or junior college level**,
- Those interested in improving their knowledge base prior to entering into **governmental service**,

The MS in Biomedical Sciences (MS/BMS) program requires a minimum of 30 credit hours beyond a BS or BA degree. The typical course of study for students interested in professional or graduate school is shown below.

#### Fall Semester

Course Number	Course Name	Credit hours
BCH 704 <sup>#</sup>	Fundamental Biochemistry	7 hr
PHYSIO 725 <sup>#</sup>	Fundamental Physiology	4 hr
ID767	Fundamental Histology & Cell Biology (or biomedical elective)	3 hr
ID 770	Biostatistics	2 hr

#### Spring Semester

MICRO 741	Fundamental Microbiology	6 hr
PHYSIO 725 <sup>#</sup>	Fundamental Physiology	4 hr
ID 768	Essentials of Anatomy (or biomedical elective)	3 hr
ID 727	Current Issues in Biomedical Research	2 hr

<sup>#</sup> Core Course

**For students wishing additional study in a particular discipline, elective courses may be substituted in place of non-core courses.** Students should consult the director of the relevant graduate program and the Director of the MS-Biomedical Sciences program for alternative study plans.

#### Program prerequisites:

- Although a BS or BA degree in Biology, Chemistry, or another natural or physical science is preferred, graduates in other disciplines who have an interest in Biomedical Science are encouraged to apply. However, because of the rigorous nature of the curriculum, all applicants are encouraged to take, or demonstrate proficiency in, General Chemistry, Organic Chemistry, General Physics, General Biology, college-level Algebra and Trigonometry, or Calculus, and at least one advanced Biology course (e.g., Genetics, Biochemistry, Comparative Anatomy, etc.)

- Admission is competitive and based on **letters of support**, your **personal statement**, academic record (undergraduate **GPA**), and performance on the **GRE, MCAT, or DAT**. Preference is given to students with an overall GPA  $\geq 3.0$  on a 4 point scale and to those with scores of:
  - $\geq 295$  on the combined Verbal + Quantitative sections of the Graduate Record Examination (GRE), or
  - $\geq 492$  (new format) or  $\geq 20$  (old format) MCAT, or
  - $\geq 15$  on the DAT.
- Applicants to the MS BMS degree program who are participants in the Professional Portal Program must be recommended by, and meet criteria established by, the Admissions Committee of either the UMMC School of Medicine (SOM) or School of Dentistry (SOD).
- **Note:** Because of space constraints, this program is limited to US citizens and permanent residents of the USA (Green Card Holders). In addition, because an important aspect of UMMC's mission is training health care providers for Mississippi, preference is given to Mississippi residents.

### Application Deadline and Procedures:

- The application deadline is June 1<sup>st</sup>. However, students are encouraged to complete their applications as early as possible because admission is made on a rolling basis beginning April 1<sup>st</sup> and continuing until the class is filled.
- Classes begin early in August; admission for the Spring semester is **not** available.
- Application forms are available on the School of Graduate Studies website: [umc.edu/graduateschool](http://umc.edu/graduateschool). Technical questions regarding the application process should be addressed to Ms. Christi Hardy ([cdhardy@umc.edu](mailto:cdhardy@umc.edu)) in the Registrar's Office.
- Students may apply prior to receiving their Bachelor's degree. In those cases, a partial transcript reflecting previous undergraduate classwork should be submitted. Based on that, Conditional Admission may be granted. However, full admission will not be conferred until the complete undergraduate transcript is received.
- At least one letter of reference from a faculty member familiar with you and your academic achievements should be submitted with your application. If you have been formally recommended for this program by an Admissions Officer in either the UMMC School of Dentistry or School of Medicine, a letter (or email) from them supporting your application meets this requirement.

**Tuition:** For the 2016–2017 Academic Year, in-state tuition was ~\$425/hr; out-of-state tuition was ~\$1217/hr. This figure is subject to yearly change. Currently, tuition is assessed only on the first 9 hrs taken each semester.

**Financial Aid:** Stipends are not available for students enrolled in the MS/BMS program. However, Financial Aid is available for full-time students in good academic standing. For information on the availability of financial aid and application procedures contact [financialaid.umc.edu](http://financialaid.umc.edu) or telephone 601-984-1117.

For additional information, contact:

**Dr. V. Gregory Chinchar, PhD**

**Director Biomedical Sciences MS program - School of Graduate Studies**

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