BIOMEDICAL SCIENCES GRADUATE PROGRAMS

Programs
Graduate Degree Programs

• Anatomic Pathology, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/anatomic-pathology-ms/)
• Anatomy Research, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/anatomy-research-ms/)
• Anatomy, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/anatomy-ms/)
• Biochemistry and Applied Bioinformatics, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/biochemistry-and-applied-bioinformatics/)
• Biochemistry, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/biochemistry-ms/)
• Bioethics and Medical Humanities, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/bioethics-medical-humanities-ms/)
• Biomedical Informatics, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/biomedical-informatics-ms/)
• Biomedical Sciences, PhD (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/biomedical-sciences-phd/)
• Clinical Anatomy, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/clinical-anatomy-ms/)
• Clinical Research Methods, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/clinical-research-methods-ms/)
• Clinical Research, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/clinical-research-ms/)
• Medical Genetics and Genomics, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/medical-genetics-genomics-ms/)
• Microbiology and Immunology, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/microbiology-immunology-ms/)
• Molecular and Cellular Pathobiology, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/molecular-cellular-pathobiology-ms/)
• Molecular Medicine, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/molecular-medicine-ms/)
• Pharmacology, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/pharmacology-ms/)
• Physiology, MS (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/physiology-ms/)

Graduate Certificates

• Clinical and Translational Research Certificate (Graduate) (https://catalog.tulane.edu/public-health-tropical-medicine/epidemiology/clinical-translational-research-cer/)
• Clinical Ethics Graduate Certificate (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/clinical-ethics-cer/)
• Medical Humanities Graduate Certificate (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/medical-humanities-cer/)
• Research Ethics Graduate Certificate (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/research-ethics-cer/)
• Sports Medicine Certificate (Graduate) (https://catalog.tulane.edu/medicine/biomedical-sciences-graduate-program/sports-medicine-cer/)

Courses

Biomedical Sciences (BMSP)

BMSP 6050 Advanced Cell Biology - MS (3)
This course introduces all major aspects of cellular structure and function. It specifically covers cytoplasmic membranes, protein trafficking, cellular signaling and cell proliferating mechanisms.

BMSP 6070 Advanced Cell Biology (3)

BMSP 7100 Biomed Sciences Workshop (1)
Course Limit: 2

BMSP 7110 Workshop (1)
Course Limit: 2

BMSP 7120 Research Topics and Rotations (2-4)
This course allows for research faculty mentors to present potential dissertation projects available for BMS PhD students to undertake upon choosing a dissertation lab. Research rotations will also be completed in this course.
BMSP 7130 Research Topics and Rotations (2-4)
This course allows for research faculty mentors to present potential dissertation projects available for BMS PhD students to undertake upon choosing a dissertation lab. Research rotations will also be completed in this course.

BMSP 7140 Biomedical Sci Seminar (1)
Course Limit: 2

BMSP 7150 Seminar (1)
Course Limit: 2

BMSP 7500 Special Topics (1-6)
Course Limit: 4

BMSP 7770 Systems Biology (3)

BMSP 7990 Independent Study (1-6)
Course Limit: 4

BMSP 9980 Masters Research (0)
Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

BMSP 9990 Dissertation Research (0)
Course may be repeated up to unlimited credit hours.

Maximum Hours: 99

SPMD 6100 Foundations of Sports Medicine (3)
This course will provide the students with an overview in the field of sports medicine. The course focuses on the basic information and skills important to the recognition, care, prevention, and preliminary rehabilitation of athletic injuries. The course will explore medical providers involved in total athlete care, provide terminology associated with sports medicine, and discover the human body systems as they pertain to sports medicine.

SPMD 6110 Non-traumatic Injuries (3)

SPMD 6120 Sports Performance Enhancement (3)
This course offers a comprehensive study of the physical, nutritional, and therapeutic methods of injury recovery while holding a focus on the needs of athletes who want to improve performance within their sport.

SPMD 6130 Continuum of Care: Developing a Sports Medicine Program (3)
This course will explore the process of developing and maintaining a sports medicine program that fully addresses the continuum of care for athletes within an institution or organization at the collegiate and secondary levels. Students will discover the components of a comprehensive athletic healthcare program including: health and safety policies and procedures, roles and responsibilities of involved healthcare providers, and best practices of sports medicine.