**Medical Sciences program**

**Master of Science in Medical Sciences (M.S.M.S.) Degree**

**DEGREE INFORMATION**

**Program Admission Deadlines:**

**Fall:** June 1

**Minimum Total Hours:** 30

**Program Level:** Masters

**CIP Code:** 26.9999

**Dept Code:** MED

**Program (Major/College):** MSG MD

**Approved:** 1983

**Concentrations:**

Aging and Neuroscience (ANS)

Anatomy (ANA)

Athletic Training (ATL)

Biochemistry and Molecular Biology (BMB**)\***

Clinical and Translational Research (CTR)

Health Science (HSC)

Health Informatics (HIN)

Interdisciplinary Medical Sciences (IMS)

Medical Microbiology and Immunology

Metabolic and Nutritional Medicine

Molecular Medicine (MLM)

Women’s Health (WSH)

\*closed for admissions; not accepting applications

**CONTACT INFORMATION**

**College:** Medicine

**Department:** Medical Sciences

**Contact Information:** [www.grad.usf.edu](http://www.grad.usf.edu)

**Website:**

<http://health.usf.edu/medicine/graduatestudies/index.htm>

**PROGRAM INFORMATION**

The program is designed to provide students with advanced training in either Anatomy, Biochemistry, Medical Microbiology, or Pharmacology. Students successfully completing the program will have a foundation that will prepare them for a professional degree in biomedical science such as a M.D. or Ph.D. or qualify them to work as teachers or research assistants in academia or in the private sector. The program will provide a solid core of training in the latest findings, concepts, and experimental techniques. Students will be allowed to individualize their training through elective courses and will have the opportunity to conduct laboratory research. The program is intended for students who wish training beyond a baccalaureate degree but do not wish to commit to a Ph.D. program or do not meet the qualifications required for admissions into a M.D. or Ph.D. program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

* A bachelor’s degree or equivalent from a regionally accredited university
* Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences\*
* GRE or MCAT
* Completed pre-requisites in:
  + General biology (1 year)
  + General chemistry (1 year)
  + General physics (1 year)
  + Organic chemistry (1 year)
  + Quantitative analysis (1 course)
  + Mathematics including integral and differential calculus

**APPLICATION PROCEDURES**

Please refer to <http://health.usf.edu/medicine/graduatestudies/mscus/apply_domestic.htm?wbc_purpose=Basic>

**DEGREE PROGRAM REQUIREMENTS**

Degree requirements are individualized according to the educational and research interests and goals.

**Total Minimum hours 30**

**Core Requirements**

**Core Course:** (2 hours minimum)

GMS 6871 Health Sciences Ethics 2

**Pre-Professional Track:** (30 hours minimum in addition to core requirement)

Students are required to complete the following, chosen in consultation with Program Advisor.

GMS 6605 Basic Medical Anatomy 3

GMS 6630 Basic Medical Histology 3

GMS 6201 Basic Medical Biochemistry 3

GMS 6706 Basic Medical Neuroscience 3

GMS 6012 Basic Medical Genetics 3

GMS 6141 Basic Medical Immunology & Microbiology 3

GMS 6433 Clinical Correlations in Molecular Medicine 3

GMS 6440 Basic Medical Physiology 3

GMS 6111 Basic Medical Pathology 3

GMS 6505 Basic Medical Pharmacology 3

**Electives Course**

GMS 6000 Medical Sciences Success Skills 1-3

**Concentration Options:**

Students who prefer to take a Concentration instead of the Pre-Professional Track may choose from the following concentrations. Requirements for each are listed on the following pages:

Aging and Neuroscience (ANS)

Anatomy (ANA)

Athletic Training (ATL)

Clinical and Translational Research (CTR)

Health Informatics (HIN)

Health Science (HSC)

Interdisciplinary Medical Sciences (IMS)

Metabolic and Nutritional Medicine

Molecular Medicine (MLM)

Women’s Health (WSH)

**CONCENTRATIONS**

**ANATOMY**

**Total Minimum Hours** 31

**Concentration Core Requirements:**

GMS6610 Advanced Neuroanatomy 4 3

GMS6604 Human Embryology 3

GMS6608 Pathology Case Studies 5 2

GMS6609 Advanced Gross Anatomy 3

GMS6605 Basic Medical Anatomy 3

GMS 6630 Basic Medical Histology 3

GMS6601 Introduction to Laboratory Medicine 2

GMS 6602 Pathology Case Studies 1 2

GMS 6603 Pathology Case Studies 2 2

GMS6606 Pathology Case Studies 3 2

GMS6607 Pathology Case Studies 4 2

**Required Courses**:

**Electives** ( Minimum 2 credit hours):

GMS6334 Pathobiology of Human Cancer 3

GMS 6671 A Brief History of Medical Sciences 2

GMS7910 Directed Research 2

GMS 7939/6611 Obesity, hormones and cancer 2

GMS 6334 Pathobiology of Human Cancer 3

**COURSES**

See [http://ugs.usf.edu/course-inventory](http://www.ugs.usf.edu/sab/sabs.cfm)