

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

Concentrations:

Aging and Neuroscience (ANS)
Anatomy (ANA)
Athletic Training
Biochemistry and Molecular Biology (BMB)*
Clinical and Translational Research (CTR)
Health Science (HSC)
Interdisciplinary Medical Sciences (IMS)
Medical Microbiology and Immunology*
Metabolic and Nutritional Medicine
Molecular Medicine (MLM)
Women's Health (WSH)

Concentrations noted with () are closed for admissions; not accepting applications

CONTACT INFORMATION

College: Medicine
Department: Medical Sciences

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you
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 research interests and goals. Thirty credit hours minimum.

Core Courses:

GMS 6871	Health Sciences Ethics	2 credits
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Students select one of the following concentrations to complete in addition to the core program requirements:

Concentration Requirements**Interdisciplinary Medical Sciences (IMS)**

This concentration within the Master's degree in Medical Sciences program is designed to provide qualified students with advanced training in the sciences basic to the practice of medicine. Students successfully completing the program will have a foundation that fosters opportunities in the private sector, teaching, or the pursuit of further advanced degrees. A goal of this concentration is to provide promising medical school applicants an opportunity to develop the knowledge, skills, and attitudes that would enable them to have a career in the medical sciences.

Students who perform well during this program could be considered for admission to medical, graduate, or other health professions programs. This concentration provides an opportunity for students interested in graduate work that has a broad medical base. Students will take courses that will provide the same level of depth, breadth and intensity as those taken by a first year medical student. This will allow successful participants to demonstrate their readiness for the rigors of a medical school curriculum. Alternatively, appropriate selection of elective courses will allow any student who completes the program to tailor their educational experience to best suit their future plans and aspirations.

Admission Information:

Applicants must hold a Bachelor's degree from an accredited institution at the time of entrance into the program. They must have completed at least 1 year each of General Chemistry, Organic Chemistry, General Biology and General Physics and have achieved a total score of at least 22 on the MCAT. Applicants who are deficient in one or more of these requirements, but otherwise meet the College-wide requirements for admission to the Master's Program may be considered on a case by case basis.

<u>Total Minimum hours for the MSMS with a concentration in IMS:</u>	<u>36 hours</u>
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Program Core (2 hours)

<u>GMS 6871</u>	<u>Health Sciences Ethics</u>	<u>2 credits</u>
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Concentration Core Courses (7 hrs)

<u>GMS6xxx 066</u>	<u>Molecular Medicine Core Principles and Musculoskeletal System</u>	<u>11-7 credits</u>
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Required Courses (25 hrs)

<u>GMS6XXX</u>	<u>Medical Science Learning Skills</u>	<u>3 credits</u>
<u>GMS6xxx 600</u>	<u>Medical Human Anatomy/Neuroscience</u>	<u>8-7 credits</u>

GMS6xxx 400c	Core Physiology	Cardiovascular and Pulmonary Systems	6-8 credits
GMS6xxx	Excretory, Endocrine and Reproductive Systems		7 credits

Elective Courses (2 hours minimum)

Students ~~may~~ must select a minimum of two elective courses within one of the following elective tracks. Alternative "themed" elective tracks may also be developed with the approval of the Program Director (for example, education or laboratory).

GMS6141	Basic Medical Microbiology and Immunology	3 credits
GMS7930	Selected Topics	1-3 credits
GMS6908	Medical Sciences Independent Study	1-3 credits (management)

Medical Track

GMS6020	Neuroscience	6 credits
GMS6xxx	Behavioral Medicine	4 credits

Research Track

NGR6804	Foundations of Clinical Research for Health Professionals	3 credits
PHC6050	Biostatistics	3 credits
PHC6000	Epidemiology	3 credits

Pharmacology Track

GMS6513	Principles of Pharmacology and Therapeutics	3 credits
GMS5735	Neuropharmacology	3 credits
GMS6541	Pharmacology for Health Care Professionals	4 credits

Total minimum hours: 3436