

## REGISTRATION PROCESS

To apply, please visit our website: <http://health.usf.edu/medicine/graduatestudies/prospective/index.html>.

## CONTACT INFORMATION

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## CLASS REGISTRAION

Consult with the program director and obtain an electronic course permit if necessary. Then go to <http://usfonline.admin.usf.edu/>, the link to OASIS, USF's online registration system. Follow online directions.

## TUITION AND FEES

Tuition is that of standard graduate level courses. Please visit:

[http://usfweb2.usf.edu/pfs/tuition\\_cost.htm](http://usfweb2.usf.edu/pfs/tuition_cost.htm).

## FINANCIAL AID

Most students will use Federal Student Loans to pay for their expenses while in our Master's programs. A Free Application for Federal Student Aid ([www.fafsa.ed.gov](http://www.fafsa.ed.gov)) must be completed before a federal student loan can be requested. For a free guide to financial aid, visit [www.fafsa.org](http://www.fafsa.org)

## ADMISSION REQUIREMENTS

1. A bachelor's degree (B.S. or B.A) of Arts & Science or equivalent from a regionally accredited university. Students with diverse backgrounds are welcome, however, background knowledge in biology and general chemistry are strongly encouraged.
2. An undergraduate GPA of at least 3 and a GRE score is required. However, each application will be reviewed on its individual merit.
3. An official transcript of all undergraduate coursework.
4. Students should submit a 1 to 2-page statement of purpose describing the student's interest in research in the field Aging and Neuroscience.
5. Three letters of recommendation from individuals familiar with the student's academic abilities and suitability for the program.

University of South Florida  
12901 Bruce B. Downs Blvd., MDC 40  
Tampa, FL 33612-4742

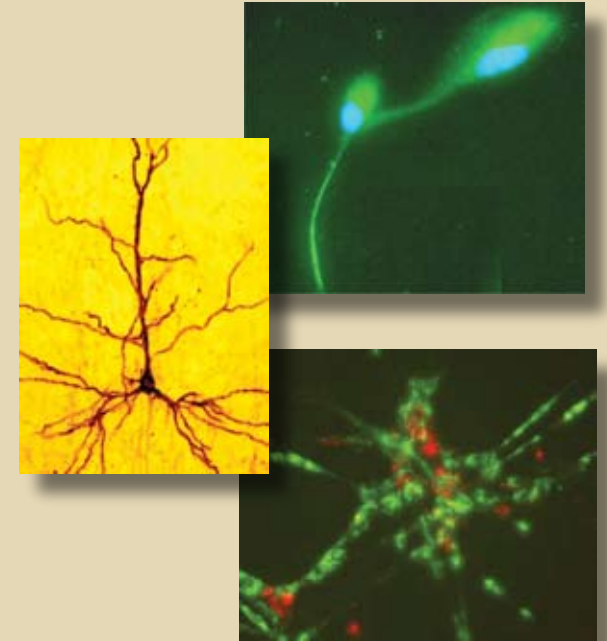
**USF**  
HEALTH



# M.S. in Medical Sciences with a Concentration in Aging and Neuroscience

**USF**  
HEALTH

University of South Florida  
Center for Aging & Brain Repair



## M.S. IN MEDICAL SCIENCES WITH A CONCENTRATION IN AGING AND NEUROSCIENCE

The University of South Florida College of Medicine has one of the largest neuroscience signature programs in the country that focus on neurological disorders associated with aging. The Masters of M.S. with a concentration in aging and neuroscience is provided in collaboration with the School of Aging Studies, one of the oldest and largest gerontology programs in the United States. The master's degree in Medical Sciences (M.S.) can be completed in as little as one year, but students are traditionally expected to spend two years to finish the program.

Successful graduates of the Medical Science master's program are encouraged to further their academic credentials for admissions into professional programs by further developing their foundational knowledge of biomedical science.

### AGING AND NEUROSCIENCE

The growing aging population especially in Florida represents new challenges to the prevention and treatment of diseases associated with aging, particularly those of neurological origin. Alzheimer's disease, stroke, Parkinson's disease and neurodegenerative disorders seriously impact the quality of life of senior citizens and their care givers. Students enrolled in the Masters of Science in Aging and Neuroscience will learn anatomy, physiology, pathology, and molecular biology of the nervous system, and how these disciplines relate to behavioral sciences and modern therapeutic advances. Graduates will develop the skills needed to work in research and/or clinical environments, in hospital, laboratory, industry, or university settings, where specialized knowledge of Neuroscience is required.

## REQUIRED

GMS 7930	Aging and Neuroscience .....	3 hrs	.....	Neurosurgery
GMS 6020	Neuroscience .....	4 hrs	.....	Interdisciplinary
GMS 7930	Neuroscience Seminar Series .....	1 hr	.....	Neurosurgery
GEY 6613	Physical Change and Aging .....	3 hrs	.....	Aging Studies
GMS 7910	Aging and Neuroscience Directed Research .....	3-12 hrs	.....	Neurosurgery

## ELECTIVES

### ■ College of Medicine Elective Courses

GMS 6091	Ethics and Skills in Research.....	2 hrs	.....	Interdisciplinary
GMS 6404	Systems Neurophysiology.....	4 hrs	.....	Physiology
GMS 6602	Neural Correlates of Behavior.....	3 hrs	.....	Pathology and Cell Biology
GMS 6610	Advanced Neuroanatomy.....	4 hrs	.....	Pathology and Cell Biology
GMS 6200	Biochemistry, Molecular & Cellular Biology .....	5 hrs	.....	Molecular Medicine
GMS 7930	Aging/Neuroscience Lab Rotations.....	1-3 hrs	.....	Neurosurgery
GMS 6735	Neuropharmacology.....	3 hrs	.....	Pharmacology
GMS 7930	Stem Cells in Brain Repair .....	3 hrs	.....	Neurosurgery
GMS 7930	Special Topics in Alzheimer's Disease .....	1 hr	.....	Neurosurgery
GMS 7930	Why Do We Live Longer? .....	3 hrs	.....	Neurosurgery
NUR 6931	Psychoneuroimmunology .....	3 hrs	.....	Nursing
PCH 6050	Biostatistics .....	3 hrs	.....	Public Health

### ■ School of Aging Studies Elective Courses

GEY 6600	Human Development .....	3 hrs
GEY 5620	Sociological Aspects of Aging .....	3 hrs
GEY 6450	Gerontological Research & Planning .....	3 hrs
GEY 6614	Psychopathology and Aging I .....	3 hrs

A minimum of 10 credit hours must be fulfilled by COM elective courses.

Graduate students must maintain an overall average of 3.0 (B) in all courses.