MASTER OF SCIENCE IN THE FIELD OF ANATOMICAL AND TRANSLATIONAL SCIENCES

The master of science in anatomical and translational sciences (M-ATS) is a two-year, non-thesis program designed to give students advanced knowledge in basic medical sciences, clinical studies, and clinical and translational research methods. The program provides students with an in-depth understanding of human gross anatomy, embryology, functional histology, neuroanatomy, genomic medicine, bioinformatics, systems physiology, pharmacology, pharmacogenomics, and modern stem cell biology. It also provides students with a solid background in personalized medicine and the methodological aspects of translational research and clinical investigation. This program is designed to maximize students' academic and career opportunities by enhancing competitiveness of applications to medical schools, physician assistant programs, or advanced graduate degree programs. The M-ATS program has an interdisciplinary curriculum drawing upon the unique strengths and collective expertise of three departments of the GW School of Medicine and Health Sciences—anatomy and regenerative biology, pharmacology and physiology, and clinical research and leadership.

The M-ATS is a STEM-designated program.

Visit the program website (https://smhs.gwu.edu/anatomy/education/m-ats/) for additional information.

ADMISSIONS

Admission deadlines:	Fall - February 1: Priority consideration for admission and funding; April 1: Guaranteed review for admission and consideration for funding, if available. (Applications for admission will continue to be accepted after April 1, when space remains available in the program.)
Standardized tests:	MCAT and GRE scores are not required. However, applicants who have completed the MCAT or GRE should upload a copy of their official scores as a supporting document to their online application.
Recommendations required:	Two (2) recommendations required
	One faculty recommendation emphasizing the applicant's academic ability; and one work-related, research-related, or volunteer recommendation highlighting the applicant's commitment to a career in health care or biomedical sciences.
Prior academic records:	Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended must be uploaded to your online application. Official transcripts are required only of applicants who are offered admission.
	If transcripts are in a language other than English, English language translations must be provided. The English translation alone should be uploaded into your application.
Prerequisite requirements:	Minimum undergraduate GPA: 3.3. Minimum undergraduate BCPM: 3.0. Bachelor's degree in life sciences is recommended but NOT required. All premedical prerequisites should be completed with a C- or better. Online courses are typically not accepted, but exceptions are made due to courses moved online during the COVID-19 pandemic. Applicants must indicate if they are enrolled in a pre-medical requirement course no later than the final semester prior to their intended enrollment at GW. Applicants who previously applied to medical schools need to include their AMCAS-verified application as a PDF file after their personal essay. For more information on premed coursework, please see: http://smhs.gwu.edu/anatomy/education/gcats/application (http://smhs.gwu.edu/anatomy/education/gcats/application/).
Statement of purpose:	In an essay of 1,000 words state your purpose in undertaking graduate study in your chosen field. Include your academic objectives, research interests, and career plans. Also discuss your related qualifications, including collegiate, professional, and community activities, and any other substantial accomplishments not already mentioned on the application.
Additional requirements:	Applicants are required to submit a BCPM (science-math) GPA calculation document. The BCPM calculation form is available here: https://advising.columbian.gwu.edu/bcpm-calculator-and-submission-instructions (https://advising.columbian.gwu.edu/bcpm-calculator-and-submission-instructions/)
International applicants only:	Please follow this link - https://columbian.gwu.edu/international-graduate-applicants (https://columbian.gwu.edu/international-graduate-applicants/) - to review the International Applicant Information carefully for details on required documents and English language requirements. Please note: international students who require a student visa from GW are not eligible to apply for admission to the program.

Supporting documents not submitted online should be mailed to:

Columbian College of Arts and Sciences, Office of Graduate Studies
The George Washington University
801 22nd Street NW, Phillips Hall 107
Washington DC 20052

For additional information about the admissions process visit the Columbian College of Arts and Sciences Frequently Asked

Questions (https://columbian.gwu.edu/graduate-admissions-faq/) page.

Contact:

askccas@gwu.edu
202-994-6210 (phone)

Hours: 9:00 am to 5:00 pm, Monday through Friday

REQUIREMENTS

The following requirements must be fulfilled:

The general requirements stated under Columbian College of Arts and Sciences, Graduate Programs (https://bulletin.gwu.edu/arts-sciences/#degreeregulationstext).

40 credits in required courses.

Code	Title	Credits
Required		
Year 1		
ANAT 6130	Clinically Oriented Human Embryology	
ANAT 6150	Clinically Oriented Human Microscopic Anatomy	
ANAT 6160	Human Clinical Neuroanatomy	
ANAT 6181	Clinically Oriented Human Gross Anatomy	
ANAT 6292	Projects in Anatomical Sciences: Introduction to Neuroradiology	
And one or both of the following*		
ANAT 6223	Special Topics in Regenerative Medicine	
ANAT 6275	Advanced Studies in Translational Sciences	
Year 2		
ANAT 6182	Fundamentals of Translational Science	
ANAT 6219	Biomedical Ethics for Translational Sciences	
MICR 6236	Fundamentals in Geonomics and Proteomics I	
PHAR 6205	Pharmacology	
PHAR 6206	Advanced Pharmacology	
PHAR 6116	Pharmacogenomics and Personalized Medicine	

*As part of the required curriculum, students choose one of the following options in Year 1: ANAT 6223 taken twice; or, ANAT 6275 taken twice; or, ANAT 6223 and ANAT 6275, each taken once. Students must consult the academic advisor before enrolling in either of these two courses.