

Pharmacology, MS

The Master of Science in Pharmacology (<https://pharmacology.georgetown.edu/program/ms-pharmacology/>) is a one-year, non-thesis degree program that offers a foundation of rigorous coursework as well as the option to do research or tailor the curriculum with a selection of elective courses from across our biomedical departments.

The cohort of 15-20 students benefits from a small class size in our main pharmacology courses and receives personalized attention from our faculty, whether in the classroom or in the laboratory. Core courses are taught by a team of departmental faculty and researchers, many of whom also teach in the medical school.

Alumni continue on to further education (Ph.D., medical, and other health sciences) or take positions in the public and private sphere, such as at the NIH, FDA, pharmaceutical companies, biotech companies, and university laboratories. Of students pursuing further education, 65% are accepted either during the program or within one year of graduation, and 85% are accepted within three years.

- Modality: On Campus
- Academic Policies and Procedures: BGE Handbook (https://docs.google.com/document/d/1rkaOm8U_1eVwabvKL_HFvpfSWrMGnrc6Ex41erxP7g/edit?usp=sharing)
- Contact the Program (<https://pharmacology.georgetown.edu/contact-us/#mspharm>)

This program is offered through Biomedical Graduate Education (BGE) (<https://biomedicalprograms.georgetown.edu/>) at Georgetown University School of Medicine.

Requirements

The M.S. Pharmacology program (<https://pharmacology.georgetown.edu/program/ms-pharmacology/>) is designed to be completed in two full-time semesters (one academic year, fall and spring). During the degree, students complete 30 credits of coursework, including 23 credits of required courses and 7 credits of electives (either Didactic Track or Laboratory Research Track).

Code	Title	Credits
Required Courses		23
PHAR 6200	Pharmacokinetics/dynamics	
PHAR 6201	Excitable Membranes	
PHAR 6001	Graduate Pharmacology	
PHAR 6501	Neuropsychopharmacology	
PHAR 7950	Pharmacology Research	
PHAR 7951	Pharmacology Research	
Recommended Electives		7
PHSL 6602		
PHSL 6506	Methods in Molecular Pharm	
PHAR 6510	Drugs of Abuse and Addiction	
BSPA 6606	Public Policy for Scientists	
TBIO 6508	Cellular & Molecular Aspects	
TBIO 6523	Cancer Epigenetics	

TBIO 6525	Cancer Genetics	
NSCI 6003	Functional MRI: Theory & Pract	
NSCI 6007		
INNS 6300	Translational Neuroscience	
PHSL 6505	Pathophys & Pharm of COVID-19	
PHSL 6507	Social Behaviors	
PHSL 6529	Human Nutrition & Health	
PHAR 6501	Neuropsychopharmacology	
PHAR 6503	Introduction to Toxicology	
PHAR 6504	Medicinal Plants&Pharmacognosy	
PHAR 6509	Redox Signal & Free Rad Bio	
PHAR 6511	Clinical Pharmacology Bootcamp	
TBIO 6536	Cancer Pharmacology	
BIOT 5220	DRUG TARGETS/DRUG DESIGN	
MICB 6600	Concepts of Immunotherapy	
BSPA 7005	Science Diplomacy&World Health	
Total Credits		30

Related Programs

- Pharmacology & Physiology, PHD (<http://coursecatalog.georgetown.edu/programs/pharmacology-physiology-phd/>)