

Physiology & Biophysics, MS

The Master of Science in Physiology & Biophysics (<https://physiology.georgetown.edu/>) provides students with a solid foundation for further education in the health sciences. Required courses provide an advanced science framework, and elective courses allow students to tailor the program to their interests and career goals by taking classes in many departments across Georgetown University Medical Center, including Tumor Biology, Biotechnology, Microbiology, Clinical & Translational Research and more. Many of the faculty who teach these courses also teach medical courses at Georgetown School of Medicine and Ph.D.-level courses in our biomedical programs. In a small master's cohort of 30-40 students, students receive rigorous instruction and personalized support to prepare you for professional school.

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

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

Requirements

Students in the Special Master's Program must complete 31 credits (Medical Center) or 32 credits (Capitol Campus). A 3.0 GPA is required to graduate. Both campuses' curricula include clinical opportunities; the Capitol Campus also offers community service opportunities.

Medical Center (GUMC) Course Requirements

Code	Title	Credits
IBMS 6501	Med Molecular & Cell Physio	3
IBMS 6502	Med Mol Biology & Metabolism	2
IBMS 6503	Med Embryo & Intro Anatom Sci	2
IBMS 6504	Med Intro to Pathology & Pharm	2
PBIO 6542	Principles of Gross Anatomy	1
PBIO 6561	Human Nutrition & Health	2
PBIO 6574	Principles of Physiology	2
PBIO 6602	Biomedical Career Pathways	1
IBMS 6506	Med Cardiovascular Biology	3
IBMS 6507	Med Respiratory & Renal Bio	3
IBMS 6508	Med Gastrointestinal Biology	3
IBMS 6509	Med Endo & Reproductive Bio	3
PBIO 6568	Adv Physiology/Pathophysiology	2
PHAR 7800	SMP Grad Pharmacology	2
Total Credits		31

Capitol Campus SMP Course Requirements

Code	Title	Credits
IBMS 6501	Med Molecular & Cell Physio	3
IBMS 6502	Med Mol Biology & Metabolism	2
IBMS 6503	Med Embryo & Intro Anatom Sci	2
IBMS 6504	Med Intro to Pathology & Pharm	2
PBIO 6542	Principles of Gross Anatomy	1
PBIO 6561	Human Nutrition & Health	2
PBIO 6507	Biomed Career Explorations	1
PBIO 6574	Principles of Physiology	2
IBMS 6506	Med Cardiovascular Biology	3
IBMS 6507	Med Respiratory & Renal Bio	3
IBMS 6508	Med Gastrointestinal Biology	3
IBMS 6509	Med Endo & Reproductive Bio	3
PBIO 6568	Adv Physiology/Pathophysiology	2
PHAR 7800	SMP Grad Pharmacology	2
PBIO 6507	Biomed Career Explorations	1
Total Credits		32

Related Programs

Which Georgetown Physiology Program is Right for You? (<https://pharmacology.georgetown.edu/program/which-physiology-program-is-right-for-you/>)