

Medical Physics, MS

Modality

On Campus

Program URL

<https://medicalphysics.georgetown.edu/>

The Master of Science program in Medical Physics provides a comprehensive understanding of the relevant technology and procedures to deliver effective care. Students learn the physical basis of diagnostic imaging, nuclear medicine, and radiation therapy, along with the standards of government regulations and certifying agencies' guidelines.

Graduates of the program are prepared to create and run a medical physics research program. Grounded with an understanding in anatomy and physiology, graduates have a thorough understanding of the ethics and professionalism and the roles and duties of a hospital-based radiation safety officer.

Academic Policies

The academic policies and procedures of the Medical Physics program are those specified in the Graduate Bulletin.

Plan of Study

Program Requirements

The Master of Science program in Medical Physics requires 50 credits to graduate, including 18 required courses and 3 electives.

A typical course of study is outlined below.

Course	Title	Credits
Fall I		
MPHY 6500		3
MPHY 6501		3
MPHY 6525		2
RASC 6500		3
RASC 6502		3
Credits		14
Spring I		
MPHY 6502		3
MPHY 6504		3
MPHY 7000		2
RASC 6520		3
RASC 6650		3
Credits		14
Fall II		
MPHY 6505		1
MPHY 6506		3
MPHY 6601		3
MPHY 6602		3
Electives		2
Credits		12
Spring II		
MPHY 6507		3
MPHY 6606		3

MPHY 6607		3
HIDS 7009	Imaging Informatics	3
Electives		2
Credits		14
Total Credits		54