

# MEDICAL PHYSICS: CLINICAL/RESEARCH, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirements>) and policies (<https://guide.wisc.edu/graduate/#policies>), in addition to the program requirements listed below.

### NAMED OPTION REQUIREMENTS

#### MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW–Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirement Detail

Minimum  
Credit  
Requirement

30 credits

Minimum  
Residence  
Credit  
Requirement

16 credits

Minimum  
Graduate  
Coursework  
Requirement

16 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <https://policy.wisc.edu/library/UW-1244> (<https://policy.wisc.edu/library/UW-1244/>).

Overall 3.00 GPA required.  
Graduate GPA Requirement Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements n/a

Assessments and Examinations Students expecting to continue with the PhD must pass the qualifying exam by the end of the second year of study. Students who wish to receive only the MS degree must either complete a thesis or pass the qualifying exam. Contact the department for more information.

Language Requirements No language requirements.

### REQUIRED COURSES

The Medical Physics MS: Clinical/Research option is offered to students taking the Clinical Pathway coursework defined for the Medical Physics PhD. This program is Commission on Accreditation of Medical Physics Education Programs (CAMPEP) accredited.

Code	Title	Credits
<b>Core</b>		
MED PHYS/ B M E/H ONCOL/ PHYSICS 501	Radiation Physics and Dosimetry	3
MED PHYS/ B M E 573	Mathematical Methods in Medical Physics	3
MED PHYS 510	Fundamentals of Cellular, Molecular, and Radiation Biology	3
MED PHYS 701	Ethics and the responsible conduct of research and practice of Medical Physics	1
MED PHYS/ B M E 566	Physics of Radiotherapy	3
MED PHYS/ B M E 578	Non-Ionizing Diagnostic Imaging	4
MED PHYS/ B M E 580	The Physics of Medical Imaging with Ionizing Radiation	4
MED PHYS 581	Laboratory for Medical Imaging with Ionizing Radiation	1
MED PHYS/N E 569	Health Physics and Biological Effects	3
MED PHYS 671	Selected Topics in Medical Physics (Topic: Anatomy and Physiology)	2
MED PHYS 900	Journal Club and Seminar	1
<b>Advanced Course</b>		
In consultation with their advisor/committee, students select one MED PHYS course numbered 600 or above. <sup>1</sup>		2
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> MED PHYS 701, MED PHYS 900, and MED PHYS 990 do not satisfy this requirement.