

MEDICAL PHYSICS: ACCELERATED PROGRAM, MS

ADMISSIONS

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Please consult the table below for key information about this degree program's admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program's website.

Graduate admissions is a two-step process between academic programs and the Graduate School. **Applicants must meet the minimum requirements (<https://grad.wisc.edu/apply/requirements/>) of the Graduate School as well as the program(s).** Once you have researched the graduate program(s) you are interested in, apply online (<https://grad.wisc.edu/apply/>).

Requirements	Detail
Fall Deadline	December 1
Spring Deadline	The program does not admit in the spring.
Summer Deadline	The program does not admit in the summer.
GRE (Graduate Record Examinations)	Not required.
English Proficiency Test	Refer to the Graduate School: Minimum Requirements for Admission policy: https://policy.wisc.edu/library/UW-1241 (https://policy.wisc.edu/library/UW-1241/).
Other Test(s) (e.g., GMAT, MCAT)	n/a
Letters of Recommendation Required	3

Admitted applicants entering the medical physics program must have acquired a strong foundation in basic physics and mathematics but are welcome to have come from a range of undergraduate majors in STEM. While a bachelor's degree in physics is considered the most common preparation, other physical science majors such as engineering, computer science, mathematics, chemistry, etc, are considered, as long as the candidate has coursework equivalent to a minor in physics. The minimum expected physics preparation is two introductory college physics courses, a modern physics course or individual courses covering electromagnetism, atomic structure, and quantum theory, and a total of three upper-level physics courses or equivalent. Additionally, applicants should be proficient in mathematics, including multi-variable calculus, differential equations, Fourier transforms, and linear algebra. Applicants who do not have the equivalent of a minor in physics may be admitted conditionally. If so, additional course work in physics must be taken.

For additional information about the application process, detailed information on required application materials, information on application

fee waivers, and frequently asked questions, please refer to this webpage (<https://medphysics.wisc.edu/graduate-program/admissions/#faq>).

APPLICATION CHECKLIST

- Three letters of recommendation (<https://grad.wisc.edu/apply/#FAQ>): These letters are required from teachers, scientists, or supervisors who can attest to the applicant's ability to be successful in graduate work. Letter writers should submit their letters electronically by the department's deadline.
- Statement of Purpose: In a statement not to exceed two pages, applicants should explain why they want to pursue graduate study in Medical Physics at the University of Wisconsin-Madison. Applicants should discuss career goals, and their preparation for graduate study, including relevant coursework, related employment, publications, presentations, awards, and honors.
- CV or resume: Upload your resume in your application. Please include any awards, scholarships, research experience, publications, and volunteer work.
- Academic transcript: Upload one copy of your transcript of all undergraduate and previous graduate work in your application. Unofficial copies of transcripts will be accepted for review. Official copies are required if an applicant is recommended for admission.
- Applicant data: Upload your completed Applicant Data Sheet (<https://medphysics.wisc.edu/graduate-program/admissions/application/#applicant-data-sheet>) to the application.
- Optional: Supplemental question (<https://medphysics.wisc.edu/graduate-program/admissions/#how-do-i-apply>)
- Submit the online Graduate School Application for Admission (<https://grad.wisc.edu/apply/>) and pay the application fee.
- English proficiency: Please see the Graduate School requirements (<https://grad.wisc.edu/apply/requirements/>) for specific information.

Questions

Contact the Graduate Program Coordinator at admissions@medphysics.wisc.edu (<https://guide.wisc.edu/graduate/medical-physics/medical-physics-ms/medical-physics-accelerated-program-ms/admissions@medphysics.wisc.edu>)

FOR VISITING INTERNATIONAL STUDENT PROGRAM (VISP) APPLICANTS

The following courses are taken as a VISP student in their undergraduate year at UW-Madison and are considered prerequisites. VISP applicants must complete these courses to be admitted to the Medical Physics MS: Accelerated Program option.

Code	Title	Credits
First Semester (Fall) as Visiting Undergraduate Student		
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
Complete one of the following:		3
3 credits of elective Rad Labs (MED PHYS 662, MED PHYS 663, MED PHYS 664, MED PHYS 665, MED PHYS 666)		

2 credits of MED PHYS 671 (Topic: Anatomy and Physiology) and 1 credit of elective Rad Lab ¹

Second Semester (Spring) as Visiting Undergraduate Student

MED PHYS/ B M E 566	Physics of Radiotherapy	3
MED PHYS/ B M E 580	The Physics of Medical Imaging with Ionizing Radiation	4
Complete one of the following:		5
MED PHYS 574 and 2 credits of elective Rad Lab ¹		
MED PHYS/PHYSICS 688 and 1 credit of elective Rad Lab ¹		

Total Credits **24**