Medical Dosimetry PSM

COLLEGE OF SCIENCE AND TECHNOLOGY

Learn more about the Professional Science Master's in Medical Dosimetry.

About the Program

Learn the physics, anatomy, and radiobiology required to help deliver cutting-edge radiation treatment care to patients with the Professional Science Master's (PSM) Program in Medical Dosimetry in Temple's College of Science and Technology (CST). This 30-credit degree—open to all students with a bachelor's degree in a STEM field—will provide graduates with the necessary knowledge base and clinical experience to accurately generate radiation dose distributions and dose calculations and embark on successful careers.

Led by scholars from faculty in the College of Science and Technology, the Medical Dosimetry PSM offers

- an interdisciplinary curriculum designed and taught by Temple faculty and clinical experts in alignment with the Medical Dosimetrist Certification Exam,
- business and work skills applicable to both academia and industry
- hands-on clinical training.

With the opportunity to gain clinical experience, the Medical Dosimetry PSM helps position you to find rewarding careers with competitive salaries at major medical centers in industrial or academic settings.

Time Limit for Degree Completion: The degree program is offered on a full-time basis.

Campus Location: Main

Full-Time/Part-Time Status: The degree program can be completed on a full- or part-time basis.

Accreditation: As a division within Temple University, the College of Science and Technology is accredited by theMiddle States Commission on Higher Education.

The Medical Dosimetry PSM Program is currently seeking accreditation by the Joint Review Committee on Education in Radiologic Technology (JRCERT), to ensure adherence to the highest educational and ethical standards in medical dosimetry. For more information on the JRCERT accreditation and the standards of education for medical dosimetry programs, please visit: https://www.jrcert.org/jrcertstandards/.

Admission Requirements and Deadlines

Application Deadline:

Fall: March 1

APPLY ONLINE to this graduate program.

Letters of Reference:
Number Required: 2

From Whom: Letters should be obtained from college/university faculty, preferably those in laboratory science areas, who are familiar with the applicant's academic and/or research abilities.

Coursework Required for Admission Consideration: The curriculum is designed for students with a BA or BS degree in science, technology, engineering, or mathematics (STEM) or related fields.

Bachelor's Degree in Discipline/Related Discipline: A baccalaureate degree in a science or engineering field is required.

The following college-level courses are required:

- Human Anatomy and Physiology
- Mathematics: Algebra and Trigonometry (or Calculus)
- Medical Terminology

Statement of Goals: In up to 500 words, explain your interest in this specific program and what career goals you have. Describe your work and academic experiences with specific mentions of internships, course projects, or research. Share any other relevant information that you feel should be taken into consideration.

Transcripts: Unofficial transcripts are considered at the time of applying. Official transcripts are required when accepting the offer at the time of deposit. Official transcripts can be sent to cst.gi@temple.edu

Standardized Test Scores:
GRE: Optional

Applicants who earned their baccalaureate degree from an institution where the language of instruction was other than English, with the exception of those who subsequently earned a master's degree at a U.S. institution, must report scores for a standardized test of English that meet these minimums:

- TOEFL iBT: 79
- IELTS Academic: 6.5
- PTE Academic: 61
- Duolingo: 110

Resume: Current resume required.

Interview: May be required on a case-by-case basis.

Program Requirements

General Program Requirements:
Number of Credits Required Beyond the Baccalaureate: 30

Required Courses:

Code	Title	Credit Hours
Core Courses		
BIOL 5312	Biostatistics	3
PHYS 5103	Ionizing Radiation on Living Systems	3
PHYS 5201	Physics of Medical Imaging I	3
PHYS 5202	Physics of Medical Imaging II	3
PHYS 5401	Medical Dosimetry I	3
BIOL 5333	Human Anatomy	4
PHIL 5249	Ethics in Medicine [1]	3
PHYS 5402	Medical Dosimetry II	3
Electives		
Select one of the following: [2]		3
PHYS 5502	Computational and Mathematical Physics	
BIOL 5227	Biomarkers and Biotargets: Research and Commercialization	
CIS 9601	Computer Graphics and Image Processing	
Capstone Course		
PHYS 9995	Capstone Project	2
Total Credit Hours		**30**

1 With program director approval, any recommended graduate-level ethics course may be substituted for PHIL 5249.
2 With program director approval, students may select a different elective.

Contacts

Department Contacts:

Program Director:
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