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 and Fox Chase Cancer Center, the Medical Dosimetry PSM offers

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

With the opportunity to gain clinical experience at Fox Chase Cancer Center, 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: 2 years

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 the Middle States Commission on Higher Education.

Admission Requirements and Deadlines

Application Deadline:

Fall: March 1
Spring: October 30

Applications submitted after the priority deadline will be considered for admission on a rolling basis.

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.

Statement of Goals: In approximately 500 to 1,000 words, describe your interest in Temple's Medical Dosimetry PSM program, research goals, and academic and research achievements.

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
Resume: Current resume required.

Program Requirements

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

Required Courses:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Core Courses</strong></td>
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<tr>
<td>BIOL 5312</td>
<td>Biostatistics</td>
<td>3</td>
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<tr>
<td>PHYS 5103</td>
<td>Ionizing Radiation on Living Systems</td>
<td>3</td>
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<tr>
<td>PHYS 5201</td>
<td>Physics of Medical Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 5202</td>
<td>Physics of Medical Imaging II</td>
<td>3</td>
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<tr>
<td>PHYS 5401</td>
<td>Medical Dosimetry I</td>
<td>3</td>
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<tr>
<td>BIOL 5333</td>
<td>Human Anatomy</td>
<td>4</td>
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<tr>
<td>PHIL 5249</td>
<td>Ethics in Medicine ¹</td>
<td>3</td>
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<tr>
<td>PHYS 5402</td>
<td>Medical Dosimetry II</td>
<td>3</td>
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<td></td>
<td><strong>Electives</strong></td>
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<tr>
<td>PHYS 5502</td>
<td>Computational and Mathematical Physics</td>
<td>3</td>
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<td>BIOL 5227</td>
<td>Biomarkers and Biotargets: Research and Commercialization</td>
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<td>CIS 9601</td>
<td>Computer Graphics and Image Processing</td>
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<td><strong>Capstone Course</strong></td>
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<tr>
<td>PHYS 9995</td>
<td>Capstone Project</td>
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<td><strong>Total Credit Hours</strong></td>
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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:

Co-director:
Rongjia Tao
Professor
rtao@temple.edu
215-204-7651