



Medical Dosimetry Professional Science Master's (PSM) Program Mission Statement, Goals, and Student Learning Outcomes

Program Mission

The mission of the Temple University Medical Dosimetry PSM Program is to prepare competent, ethical, and compassionate medical dosimetrists equipped with advanced knowledge and clinical expertise to deliver high-quality patient care. This mission aligns with Temple University's overarching commitment to providing access to affordable, high-quality education, promoting service and research that benefit society, and creating a diverse and inclusive environment that empowers students to lead and make a difference in their communities. Specifically, the program supports Temple University's Mission by:

- Offering rigorous academic instruction and clinical training that prepares students for leadership roles in healthcare.
- Fostering diversity and inclusivity in education and healthcare delivery.
- Engaging with local and global communities to improve access to life-saving cancer care.
- Promoting research, innovation, and lifelong learning in the field of medical dosimetry.

Program Goals and Student Learning Outcomes (SLO)

Goal 1 - Clinical Competency: *Students will demonstrate clinical competence in treatment planning.*

- SLO 1.1: Students will generate high-quality treatment plans for various disease sites.
- SLO 1.2: Students will prepare treatment plans for treatment delivery appropriately.

Goal 2: Critical Thinking: *Students will develop critical thinking and problem-solving skills applicable to clinical decision-making.*

- SLO 2.1: Students will evaluate complex clinical cases and recommend appropriate dosimetric strategies.
- SLO 2.2: Students will analyze plan evaluation metrics and adjust plans accordingly.

Goal 3: Communication Skills: *Students will communicate effectively with patients, families, and members of the healthcare team.*

- SLO 3.1: Students will demonstrate effective written and oral communication in clinical documentation and presentations.
- SLO 3.2: Students will engage in interdisciplinary collaboration with clarity and professionalism.

Goal 4: Ethical Practice: *Students will model ethical and responsible behavior in clinical and academic settings.*

- SLO 4.1: Students will comply with professional codes of conduct and institutional policies.
- SLO 4.2: Students will maintain patient confidentiality and demonstrate cultural sensitivity.

Goal 5: Professionalism: *Students will exhibit professionalism and a commitment to lifelong learning.*

- SLO 5.1: Students will demonstrate punctuality, accountability, and a positive attitude in all program activities.
- SLO 5.2: Students will participate in continuing education and professional development opportunities.