

Medical Dosimetrist

Medical dosimetrists, in collaboration with radiation oncologists and medical physicists, generate radiation dose distributions and dose calculations to design radiation treatment plans that will deliver a prescribed dose of radiation to a defined anatomic area.



Career Description

Medical dosimetrists apply knowledge of anatomy and physiology, oncologic pathology, radiation biology, radiation oncology techniques, treatment planning and dosimetry procedures, and computer computation in the performance of their duties. The medical dosimetrist accepts responsibility for designing a radiation oncologist (physician)-prescribed course of radiation therapy, considering dose-limiting structures and the need for special casts and immobilization devices. They must be able to communicate effectively with other health care professionals.



Employment Characteristics

Medical dosimetrists are employed in health care facilities, including hospitals and cancer centers.



Salary

Salary and benefits vary with experience and employment location but are competitive with other health specialties. For more information, refer to

www.ama-assn.org/go/hpsalary.



Educational Programs

Length. Program length varies, depending on program design, objectives, and the degree or certificate awarded.

Curriculum. Most programs require prerequisite work in radiation therapy or radiation physics. The curriculum of an accredited program includes an extensive component of technical and professional courses, including an emphasis on structured, competency-based clinical education. Interested individuals should con-

tact a particular program for information on specific courses and prerequisites.



Inquiries

Careers/Curriculum

American Society of Radiologic Technologists
15000 Central Avenue SE

Albuquerque, NM 87123

505 298-4500

E-mail: customerinfo@asrt.org

www.asrt.org

American Association of Medical Dosimetrists

c/o Credentialing Services

One Physics Ellipse

College Park, MD 20740

301 209-3320

301 209-3343 Fax

E-mail: aamd@aapm.org

www.medicaldosimetry.org

Certification/Registration

American Registry of Radiologic Technologists

1255 Northland Drive

St Paul, MN 55120

651 687-0048

www.arrrt.org

Program Accreditation

Joint Review Committee on Education in Radiologic Technology

20 N Wacker Drive, Suite 2850

Chicago, IL 60606-3182

312 704-5300

312 704-5304 Fax

E-mail: mail@jrcert.org

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