

Careers

The radiographer or radiologic technologist is trained to take diagnostic images for interpretation by a radiologist. Upon request of a physician, the radiographer positions the patient, determines the proper technical factors for imaging, and produces radiographs of the body. In addition, radiographers must be competent in patient care skills. Some specialize in advanced diagnostic imaging technologies such as computerized tomography (CT), magnetic resonance imaging (MRI), interventional radiography, and mammography. All radiographers must be registered by the American Registry of Radiologic Technologists upon completion of an accredited radiology program.

In addition to preparing patients and operating different types of imaging equipment, radiographers may be required to keep patient records, adjust, and maintain equipment. They may also prepare appointment schedules, evaluate equipment purchases, or manage a radiology department.

Salary

An entry-level position in radiologic technology the hospital setting for a graduate with no prior work experience ranges from \$40,000-\$46,000 per year. In 2004, annual earnings of radiographers were \$43,350 (\$46,620 in medical and diagnostic labs; \$43,960 in general medical and surgical hospitals; \$40,290 in offices of physicians).

Job Outlook

The employment opportunities are excellent in this career field and are expected to grow faster than the average through 2014 due to population growth and aging. Hospitals will remain the principal employer of radiologic technologists, but a greater number of new jobs will be found in offices and clinics of physicians, including diagnostic imaging centers.

Education & Training Options

Montgomery College offers an associate of applied science degree (A.A.S.) in radiologic technology. (*See reverse for radiologic technology curriculum.*)

■ Degree

The curriculum requires a minimum of two years instruction and clinical experience. The program is accredited by the Joint Review Committee on Education in Radiologic Technology. Upon graduation, the student will be eligible to apply to take the certification examination given by the American Registry of Radiologic Technologists.

The curriculum has been designed to provide a transfer option for students who elect to continue studies beyond the A.A.S. This is a selective program with specific admissions requirements. For additional information, contact the Admissions Office at the Takoma Park/Silver Spring Campus, 240-567-1501, or the program department.

Contact @ MC

Takoma Park/Silver Spring

Campus240-567-5564
www.montgomerycollege.edu/Departments/hlscitp/rt

Radiologic (X-Ray) Technology Curriculum

Degrees, Certificates, and Letters of Recognition

Montgomery College is authorized by the Maryland Higher Education Commission (MHEC) to offer four degrees (associate of arts, associate of science, associate of applied science, and associate of arts in teaching) and certificates. In addition, the College recognizes students who satisfactorily complete certain course sequences with letters of recognition.

Some curricula are offered at all campuses, whereas others are limited to one or two. When a curriculum is offered at a specific campus, it is indicated by G for Germantown, R for Rockville, or TP for Takoma Park/Silver Spring.

Admission to Montgomery College is open to all.

Math, English, and reading assessment tests are required prior to registering. (Some students may be exempt from assessment. Consult the *Montgomery College Catalog* for criteria.) Financial aid and scholarships are available to qualified candidates.

Take the next step.

Complete an Application for Admission form (online @ www.montgomerycollege.edu/admissions/mcadmiss.htm) or call 240-567-5000 for information.

Radiologic (X-Ray) Technology A.A.S. (TP)

First Semester

BI 204	Human Anatomy and Physiology I*	4
RT 101	Radiologic Technology I	4
RT 111	Radiographic Positioning I	3
RT 121	Clinical Radiology I	3
	Mathematics foundation	3

Second Semester

BI 205	Human Anatomy and Physiology II	4
HI 125	Medical Terminology I	2
RT 102	Radiologic Technology II	4
RT 112	Radiographic Positioning II	2
RT 122	Clinical Radiology II	3

Summer Semester

RT 123	Clinical Radiology III	4
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Third Semester

EN 101	Techniques of Reading and Writing I	.3
PY 102	General Psychology	3
RT 201	Radiologic Technology III	3
RT 211	Radiographic Positioning III	2
RT 221	Clinical Radiology IV	3

Fourth Semester

CA 120	Introduction to Computer Applications	3
	English foundation	3
RT 202	Radiologic Technology IV	3
RT 222	Clinical Radiology V	3
	Speech foundation	3

Summer Session

RT 223	Clinical Radiology VI	3
RT 240	Radiologic Technology V	2

Total credit hours 70

* Students should check the prerequisites for this course.