MONTGOMERY COLLEGE
Takoma Park/Silver Spring Campus
Radiologic Technology Program

Program Accredited by the Joint Review Committee on the Education of Radiologic Technologists

Dear Prospective Student,

Thank you for your interest in the Radiologic Technology Program. Information in this document includes how to apply to the program as well as the college.

You are urged you to also review the Admissions process specifically for the Health Science Programs in the College Catalog

Once you have had a chance to review the enclosed materials, please choose one of the information sessions to attend where more specific information about the program is presented. (A list of information session dates can be found on the Radiologic Technology web page)

Candidates for the program must submit his or her application by March 1 of each year as there are only 27 seats available in the program. The program sequence begins with the SUMMER session each year. You may take the general education courses without being accepted into the Program. If you have questions regarding the process of applying and classes recommended to take it is suggested you attend one of the information sessions held monthly. If you still feel you need guidance in terms of applying to this program or classes needed to be taken you may contact one of the Radiologic Faculty (see below) or contact a counselor to plan your course of study.

I hope you find this packet informative and helpful. Please do not hesitate to contact me if you have any questions.

Good luck in your endeavors. I look forward to hearing from you.

With best regards,
Rose Aehle
Rose Aehle, RT (R,M), M.S.
Program Coordinator/Professor
Radiologic Technology
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Radiologic Technology Program

JRCERT STANDARDS

Mission and Goals

JRCERT Standard 1.1
Mission Statement:

The mission of the Radiologic Technology Program parallels the mission of Montgomery College's Mission statement in that the students who enter and complete the Radiologic Technology have met their potential and found their passion. Students are empowered to transform their own lives as well as enrich the life of the local and global community as skilled, critically thinking, competent radiographers who possess integrity, accountability, empathy, a strong commitment to excellent customer service and patient care skills while serving a diverse community.

Goal 1: Students will graduate as competent entry level radiographers.

Learning Outcomes:

1. Program will maintain a 65 percent retention rate
2. Graduates will pass their ARRT exam on the first attempt
3. Graduates seeking employment will find employment within 12 months of graduation
4. Employers will be satisfied graduates' performance as entry level radiographers

Goal 2: Student will demonstrate clinical competence.

Learning Outcomes:

1. Students will properly position patients
2. Student will select appropriate technical factors for producing diagnostic images
3. Students will practice ALARA and other radiation safety principles to ensure proper radiation protection

Goal 3: Students will demonstrate critical thinking skills through their performance in their competency in radiographic and patient care skills.

Learning Outcomes:

1. Students will make necessary adjustments in positioning to accommodate for trauma or incapacitated patients
2. Students will demonstrate the ability to adjust technical factors based on patient condition

Goal 4: Students will demonstrate professionalism.

Learning Outcomes:

1. Students will demonstrate professionalism by maintaining patient confidentiality and adhering to the ARRT code of ethics
2. Students will assume ownership by demonstrating accountability for own actions
3. Students will demonstrate initiative by exhibiting a willingness to learn, self-motivation and appropriate use of clinical hours
4. Student will demonstrate appropriate verbal interaction with supervisors/clinical instructor

Goal 5: Students will demonstrate effective communication skills.

Learning Outcomes:

1. Students will acquire pertinent history from the patient
2. Students will respond to patient verbal and non-verbal clues and questions

Goal 6: Students will illustrate a strong commitment to excellent customer service.

Learning Outcomes:

1. Students will exhibit appropriate customer service behavior as part of their clinical competency
2. Students will successfully complete two mandatory customer service workshops as part of the clinical practicum

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Disability statement

Success in this program is important to the program faculty. If there are aspects of this course that prevent a student from learning or exclude a student, please let faculty know as soon as possible. If a student has a disability that may impact their access and learning in this program, please contact a counselor or program faculty to discuss your specific needs. An accommodation letter from Disability Support Services (DSS) authorizing accommodations that will be needed. Please note that accommodations needed for an online course may be different from those needed in a traditional classroom setting, so it is important to work with DSS to determine appropriate accommodations for this course as early as possible. Since accommodations are not retroactive, it is strongly recommended that student notify faculty as early as possible in the term. For more information on DSS services please contact DSS

RADIOLOGIC (X-RAY) TECHNOLOGY

What is a Radiologic Technologist?

The radiologic technologist, or radiographer, is a person who has been qualified by education and clinical experience to provide patient services by using radiologic imaging systems under the direction of physicians qualified as radiologists. Upon the request of the physician, the radiographer positions the patient determines the proper setting on the x-ray generator, and produces radiographs of the internal parts of the body.

How does this program prepare me for a career?

Graduates with the associate of applied science degree are eligible to apply to the American Registry of Radiologic Technologists for the administration of the national certification examination. This certificate provides them with the credentials for entering many careers associated with radiology. Full-time students complete the program in two years, or it can be taken on a part-time basis.

What professions can I expect to enter after completing this program?
What about starting salary?

Upon graduation and passing the certification exam, students can expect to enter the field as radiologic technologists. An entry-level position in the hospital setting for a graduate with no prior work experience begins at approximately $58,000 to $62,000 per year.

What is the employment outlook for the next decade?

The outlook for employment opportunities in the field of radiologic technology is substantial and anticipated to continue experience job opportunities in this field into the foreseeable future career field.

Is this program accredited?

The radiologic (X-ray) technology program is fully accredited by the Joint Review Committee on Education in Radiologic Technology

Whom do I call for more information?

You may contact any of the RADT faculty

Professor Rose Aehle MS, RT (R)(M), Program coordinator
240-567-5564
Rose.aehle@montgomerycollege.edu

Professor Kathy Lewandowski, BS RT (R) (M) (RDMS) Clinical Coordinator
240-567-5565
Kathy.lewandowski@montgomerycollege.edu

Allie Mason, Faculty BS RT (R)
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Allie.Mason@montgomerycollege.edu

APPLICATION PROCEDURE FOR CONSIDERATION OF ACCEPTANCE INTO THE PROGRAM

Admission to Montgomery College is open to all. Minimal requirements that allow students to apply to the radiologic technology program are the following: Eligible to take college level math and English, completion of BIOL 150, BIOL 212 and a minimum GPA of 2.5 based on cumulative or the last 24 credits. If a student meets these minimum requirements they must then sit for the TEAS placement test. All applications are assessed using a point system (see below)*

Priority consideration: Completion of the following classes by the end of Fall semester will place students with appropriate TEAS scores in priority placement

Biology 213 and HINM 115

The following criteria that will be used by the Admissions and Records department to place students

1st tier priority consideration

- TEAS scores (ranked highest to lowest) and completion Biology 213 and HINM 115

2nd tier consideration

- TEAS scores (ranked highest to lowest) and completion of ONE out of the TWO priority classes noted above

3rd tier consideration

- TEAS scores (ranked highest to lowest) and BIOL 150, BIOL 212, ENGL 101 (or appropriate assessment level, Math foundation (or appropriate assessment level) minimum GPA of 2.5.

*Point system for admission criteria

Selection for admissions is based on a Point system. Students with the highest points will be admitted first until all seats are filled.
TEAS (Reading-70%, AITS-66%)
Exemplary – 4 pts
Advance – 3 pts
Proficient – 2 pts

Priority Courses Completed
All – 4 pts
1 course – 2 pts
None – 0 pts

Number of attempts to pass minimum requirements and priority courses
1st attempt – 4 pts
2nd attempt – 3 pts
3rd attempt – 2 pts
4th attempt – 1 pts

Prior Educational Experience
Prior degree – 5 pts
6 – 8 credit hrs/semester – 2 pts
3 – 5 credit hrs/semester – 1 pts
(credit hours are based on last 24 credits)

It is strongly recommended that students attend an information session. Dates and time are noted on the Radiologic Technology Web page at www.montgomerycollege.edu/rt. Financial aid and scholarships are available to qualified candidates.

CONTRACTURALLY REQUIRED DOCUMENTATION FOR CLINICAL PLACEMENT/RADIATION AND OTHER SAFETY POLICIES

Health Record Requirements

CastleBranch: Health Record Management System utilized by all Health Science programs and many clinical facilities

CPR Certification: Proof of current CPR certification must be by the *American Heart Association* for the **Basic Life Support/BLS- provider;** no on-line classes accepted, blended (online AHA Heartcode with Face-to-Face skills testing) classes are acceptable.

Criminal Background Check: A criminal background check is required by the clinical agencies and is handled by an external vendor. Currently, the vendor is Castle Branch, Inc. Clinical facilities have the right to deny clinical placement based on background findings. All students must complete this background check even if a background check has already been done by another vendor. This is an **annual** requirement. You must address all "adverse" issues in a timely manner.

Drug & Alcohol Screening: Drug and Alcohol screening is required and is handled by an external vendor, currently the vendor is Castle Branch, Inc. All students must complete this screening check even if a screening has already been done by another vendor. This is an **annual** requirement.

HIPAA / OSHA for Healthcare Workers: All students will complete this module which includes Infection Control, Bloodborne Pathogens, Safety and test via Blackboard on the Health Science / Nursing Hub. This is an **annual** requirement.

Physical Exam: A health history and physical exam with lab work for complete blood count (CBC) & routine urine analysis (UA are required to be admitted into health science programs. The physical exam is an **annual** requirement.
Proof of Health Insurance: All clinical facilities require that students have health insurance. Students are required to upload a copy of their insurance card (front & back).

Tuberculosis Screening: A two-step PPD test is required for **all incoming students**. The two PPD tests must be completed **within 30 days** from the first PPD. A single PPD test is then required **annually.** If the PPD is positive, documentation that the student is free of symptoms of TB is required and must be repeated **yearly** while the student is in the health Science program. A **Positive PPD** form is available on the Health Science Hub. Your healthcare provider must complete the Positive PPD form. Students may also submit lab results for the QuantiFeron TB Gold instead of the PPD.

Vaccinations / Proof of Immunity: Students must provide proof of immunity to Measles, Mumps, Rubella, Varicella, and Hepatitis B. Proof of immunity is determined by a titer; a laboratory test that measures the presence of antibodies in the blood. If the titer is positive, the individual has immunity to the disease. A negative titer means there are inadequate antibodies present. Therefore, the individual is not immune and must receive the vaccination(s). In addition to the above vaccinations, students must receive Tetanus, diptheria, acellular pertussis (Tdap) vaccine every ten years and Seasonal Flu vaccine annually, usually from August – October.

N95 Fit test: All Health science students are required to be fit tested for an N95 mask. Students are required to completed a questionnaire and a qualified medical professional must complete and Respirator Medical Recommendation Form. Students should bring both forms when tested. Testing is performed by MC at no expense to the student.

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ARRT POLICY ON PREAPPLICATION ETHICS REVIEW

PRE-APPLICATION REVIEW OF ELIGIBILITY FOR CERTIFICATION

The Ethics Review Pre-Application is reserved for those who are:
• not yet enrolled in an ARRT-recognized educational program, or
• enrolled in an ARRT-recognized educational program and are at least six months away from graduation.
The Ethics Review Pre-Application provides an early ethics review of violation(s) that would otherwise need to be reported on your Application for Certification when you have completed

an ARRT-recognized educational program and may be used for the following circumstances:
• Criminal proceedings including:
- misdemeanor charges and convictions,
- felony charges and convictions,
- military court-martials; and/or
• Disciplinary actions taken by a state or federal regulatory authority or certification board; and/or
• Honor code violations.
The review applies only to violations specified in the Ethics Review Pre-Application packet; it does not apply to any violations not reported or occurring after submission of the Ethics Review Pre-Application.
Submission of the Ethics Review Pre-Application does not waive any other ARRT eligibility and application requirements. An Application for Certification must still be submitted at the time of graduation.

https://www.arrt.org/pages/earn-arrt-credentials/initial-requirements/ethics/ethics-review-preapplication
The above referenced ARRT policy does not prevent a student from applying and being accepted into the Radiologic Technology program although the college cannot guarantee qualification for national certification or licensure.

HEALTH INSURANCE

Proof of Health Insurance: All clinical facilities require that students have health insurance. Students are required to upload a copy of their insurance card (front & back).

Liability Insurance

A student is responsible for his/her actions when in contact with patients, equipment and others while at the clinical site. The student is covered by the College provided liability insurance during the clinical hours published in the Class Schedule. There is no cost to the student for this insurance.
All accidents that occur while on clinical assignments resulting in patient, hospital personnel or personal injury and/or damage to equipment must be reported immediately to the Clinical Instructor and Program Coordinator. A Facility and program incident report should be initiated to document the detail of what took place and if possible. The Program will attempt to obtain a copy of the Facility's documentation for the student's file

Malpractice Insurance

Malpractice/liability insurance is not required. Students may choose to purchase their own individual malpractice insurance to cover any litigations not covered by the College liability insurance. Information regarding personal insurance can be found at HPSO.

Radiation Safety

Students will follow the ALARA and the cardinal rules of radiation safety as discussed in their first day of the RADT 119 class, which is a clinical class conducted on campus beginning the third week of May each year. Radiation safety practice objectives are reinforced throughout the program in each RADT class, both clinical and didactic with advanced radiobiology concepts and regulations addressed in classes as noted in the syllabi. In addition, this Safety Practices document is provided to all students and can be found on the Rad. Tech web page under link entitled Safety Practices . The document is also found outside of the energized lab in HC 430.

Exposure monitoring (dosimeters) and identification

US NCR OCCUPATIONAL DOSE

5000 millirem per year (50 mSv per year) for students over 18. For students under 18 100 millirem per year (1 mSv per year)

Montgomery College provides dosimetry badges (Optically Stimulated Luminescent Dosimeters or OSL) for the Radiologic Technology students. The students will always wear the OSL while working with any form of ionizing radiation. It is to be worn around the upper chest area (on the collar) at all times. When wearing protective lead apparel, the dosimeter is to be worn above this apparel. No student will be allowed to work in the clinical areas without the dosimeter. or classroom energized laboratory area without their dosimeter. Students are reminded to bring their dosimeters to the labs while exposures are made using the energized lab or portables. If a student forgets their dosimeter, they are not to remain in the room when exposures are made on the phantoms. Appropriate protective wear will be used according to the procedure protocol.

Exposure labs on campus: All students are expected to follow radiation safety practices in the lab as well as at the clinical sites. Students are to wear their radiation dosimeters for all labs.

Dosimeter and the clinical site: Students must always wear dosimeters at the clinical site. Students who fail to wear their dosimeter in the clinical site must leave the site. They may return the same day once they retrieve their dosimeter. Loss of time at the site must be made up. Continued non-compliance of appropriate wearing of the dosimeter at the clinical resulting in absences from the site may result in a grade reduction and/or unsuccessful completion of the clinical course.
Students must always wear lead aprons and thyroid shields while assisting in fluoroscopic procedures and mobile radiography studies

Under no circumstance is a student to hold a patient or image receptor for an exposure.

Badge inserts are changed monthly, and it is the responsibility of each individual student to see that the badge insert is changed before the 20th of each month. **Should a student not turn in their dosimeter prior to the deadline, points may be taken off the final grade of the clinical course in which they are enrolled.** Failure to adhere to this policy may result in an inaccurate radiation exposure reading since the rest of the dosimeters will be mailed to the dosimetry service with the "control" badge. However, students should wear their dosimeter even if it is past the expiration date until a new dosimeter is obtained.

A printout from the vendor who provides the OSL's is provided for student's review each month . Each student is asked to review his/her radiation exposure reading *using dosimeter number only each month (every 30 days)*. All other identifying information are removed from this report. The radiation safety officer maintains the original of each monthly report in a secure place. Students will be consulted for any reading reported for 10 or more millirems on a monthly report to determine how the exposure has occurred. A reading over 40 millirems for the month will necessitate a possible change in rotation from high exposure areas or procedures. A conference will be necessary with the RSO and the program director in the event of an unusually higher radiation dose on any report summary. This will be necessary to determine if the dose was physically obtained by the student or if the dosimeter was inadvertently left on an apron or shield. All students are reminded that the summary reports track a lifetime dose and will remain on a radiographer's report for the remainder of their career. Each student is encouraged to keep track of their dosimeters accordingly and turn them in a timely fashion.
A monthly checklist with the student's initials is provided along with the monthly dosimeter printout. Each student is asked to check their monthly reading and place their initials in the column provided next to their name. The checklist is kept in a secured binder in RSO office and the report is placed in the energized lab. The dosimeters usually arrive by the 10^{th} day of the month and will be placed in the student mailboxes. The students are expected to switch out their old dosimeters and the RSO (Full Time Rad. Tech Faculty) will mail them back to Landauer within the next week.

DIRECT AND INDIRECT SUPERVISION

STUDENT NON-COMPLIANCE WITH SUPERVISION POLICY WILL RESULT IN THE STUDENT BEING COUNSELED WITH SIGNIFICANT GRADE DEDUCTIONS AND RISK OF UNSUCCESSFUL COMPLETION OF THE COURSE AND PROGRAM.
CLINICAL SITE NON- COMPLIANCE MAY RESULT IN TEMPORARY PROBATIONARY STATUS FOR A CLINICAL SITE

a. Direct and Indirect Supervision

Direct Supervision is required for all students who have not yet demonstrated competency must be under direct supervision of a registered radiographer. **Direct supervision** means that the radiographer is in the radiographic room observing and supporting the student. Once the student has demonstrated competency on an examination, they may perform the same examination under indirect supervision.
Direct supervision is required on all portables, operating room, and repeats, NO EXCEPTIONS.
Indirect Supervision implies that a radiographer is within speaking distance of the student. The radiographer does not need to be inside the room but close enough to respond a student's call. Use of a telephone or paging system does **not** comply with indirect supervision.

- Students may perform exams under indirect supervision if the imaging room is located where visual and audio contact can consistently be made between the technologist to the student.
- Students are never permitted to perform portable exams in the ER/ED department/bay or any other department without a registered technologist directly supervising them.
- Students are not permitted to perform examinations in rooms that are not open to the quality control area where registered techs can immediately assist them upon calling for assistance. If an imaging room is isolated and closed off by a door students must have a radiographer with them even if they have demonstrated competency on the exam
- Students are never permitted to be in the operating room without a registered radiographer

Repeat Radiographs

Students are not permitted to perform repeat radiographs without a registered technologist.
When a student needs to repeat a radiograph taken on a patient, a registered technologist is required to directly supervise them and be in the room with them. This policy is in effect whether the student has comped the exam or not. It is imperative to prevent any unnecessary radiation exposure to a minimum for all patients.
Students are required to document all repeats. The student should enter the Repeat in "Case Logs" which will request a verification from the supervising technologist to verify that they may have assisted and did observe the student performing the Repeat radiograph. Instructions for this entry can be on Blackboard and the E-value web site. Students who do not record their repeats will be penalized with a 10 point deduction in affective behavior for each infraction and ultimately conferenced.

Holding Patients and IRs

Students are never permitted to hold a patient or IR during an exposure.

PREGNANCY POLICY

At monthly information sessions and during orientation of newly accepted students the pregnancy policy is reviewed. In addition, an additional review of the policy is incorporated into the RADT 119 (Clinical radiology I) class

In addition to the College Pregnancy Policy and found on page 12 of the handbook the Radiologic Technology program has the following additional policy requirements

The National Council on Radiation Protection and Measurement (NCRP) recommends that the dose equivalent to

the embryo-fetus from occupational exposure to the expectant mother should be limited to 0.5 REM for the entire gestational period. It is also stated that females involved in the occupation may voluntarily disclose their possible pregnancy to their supervisor if suspected. Through proper instruction to these precautions, it is possible to limit all occupational exposure to under 0.5 REM per year and prevent fetal dose equivalents from being surpassed.

All students enrolled in the Radiologic Technology Program are instructed in proper safety precautions and personnel monitoring prior to being admitted to any ionizing radiation area. Students are required to abide by **ALL** safety precautions and importance of keeping exposure as low as practical through a combination of time, distance and shielding is stressed.

Should any student suspect pregnancy, she is recommended to voluntarily disclose it to the Program Coordinator. This must be in writing and indicate the expected date of delivery. In the absence of this information, a student cannot be considered pregnant.

Upon voluntary disclosure of the pregnancy, the student will:

1) Follow the College pregnancy policy as noted on page

2) Meet with the Program Coordinator regarding the nature and potential radiation injury associated with in-utero exposure, the regulatory limits established by the NCR Regulatory Guide 8.13 and the required preventative measures to be taken throughout the gestational period. A statement of receipt of this information will need to be signed at this time.

3) The pregnant student has the option to complete the program without any modifications. If requested by the student, modifications will be made for clinical rotation during the pregnancy. If the student requests modifications, upon consultation with the student the faculty and clinical instructor from the clinical site will finalize the rotation schedule

4) The student will abide by the following:
   a. Strict adherence to ALL safety precautions for protection purposes.
   b. A second dosimeter will be provided and is to be worn at the student's waist, to monitor fetal dose.
   c. At any time that the pregnant students feels she is working in an unsafe area or under conditions she feels detrimental to herself or fetus, stop immediately and report to the clinical instructor.
   d. At no time and for no reason will the pregnant student place herself in the primary beam of radiation.

5). If a student chooses to temporarily leave the program, every effort will be made to assure a successful return to the program. As always, return into the program after a break is dependent on clinical space availability and student may be asked to remediate clinically or didactically as part of her return.

6). The student must realize that she must complete, upon her return or when she is no longer pregnant all the clinical competencies she may have missed due to voluntary modifications as well as related coursework.

7). Students have the option of withdrawing declaration of pregnancy at any time. This must also be presented in writing and submitted to the program coordinator.

COMMUNICABLE DISEASE POLICY

Students with known communicable diseases will need to follow the clinical facilities protocol for personnel with communicable diseases. The college has no jurisdiction over a clinical facilities communicable disease protocol. Please be aware that radiography students take part in invasive procedures. As part of the RADT 119 class and prior

to clinical rotations, students are instructed in Standard Precautions as well as OSHA regulations.
At monthly information sessions and during orientation of new accepted students, students are advised that all immunizations must be up to date and HEB B vaccine is required.

During student experiences in the clinical setting, the student may possibly come in contact with diseases, equipment, and treatments that may be hazardous to the individual and/or to an unborn fetus. It is expected that the student utilize standard and OSHA precautions with patient care procedures to minimize risks to the student and/or unborn fetus. If a student has an incident occur involving contact with a communicable disease and/or bloodborne pathogens, it is expected that the student **follow** their **affiliate's exposure control policies**. It is then the student's responsibility to see their own physician immediately to establish baseline testing and seek any required follow-up. TB exposure should be followed immediately with a PPD or if applicable a chest x-ray and a three (3) month follow-up after that. A copy of the incident should be brought back to the College for the student's file. *If the student comes into contact with diseases outside of the Program or contracts diseases which may be hazardous to other students, patients, or hospital personnel, it must be reported to the Montgomery College Security with 24 hours of incident as well as notifying the Program Coordinator*. Security will forward to Montgomery College's Risk Manager.

A student, who may be exposed to a communicable disease, may be asked to leave the clinical area until incubation periods Some diseases may be fatal to patients with compromised immune system. Any time missed in this case must be completed.

LATEX SENSITIVITY

Students with known latex sensitivity or allergies should be aware that the college cannot guarantee non-exposure to latex in the clinical arena.

MRI SAFETY

The magnetic field is constant in an MRI room and highly magnetic items such as certain jewelry, implanted devices, medical equipment and credit cards can be adversely affected by this field, causing potential injury to the student as well as to the patient. Gradient magnetic fields cause many things including peripheral nerve stimulation. In addition, radiofrequency fields used during an MRI can cause heating/burning. Therefore, students should be aware of what is on their person as well as what is on or in their patient before entering the MRI suite. Students should familiarize themselves with the facilities Magnetic ZONE policies (safe and unsafe areas). An MRI screening document will be completed in the first fall semester of the program and repeated yearly by each enrolled student (see appendix E of the Student Handbook) and also part of this safety manual.
Students will receive further education on MRI safety in RADT 119, the first class of the program and offered in the summer and in RADT 207, offered in the final semester of the program. If there is a concern based on the screening tool, the student will be appropriate advised by faculty.

FEDERAL LAW CONCERNING CHEMICAL HAZARDS

Federal law requires that all individuals must be notified about hazardous chemicals present in the work place. This law applies to all occupations, with the basic purpose of raising the level of conscientiousness on chemical safety.

RADT Program Of Study

General Education Classes:

BIOL 150 Principles of biology	4
BIOL 212 Human Structure and Function I	4
BIOL 213 Human Structure and Function II	4
MATH foundation	3
HINM 115 Medical Terminology I	2
ENGL 101 Techniques of Reading & Writing	3
PSYC 100 General Psychology	3
ENGL Foundation	3
COMM 108	3

Total Gen Ed Credits 29

Radiology Curriculum

Summer (1st year)

RADT 119 Clinical Radiology I	3

Fall (1st year)

RADT 101 Radiologic Technology I	4
RADT 111 Radiographic Positioning I	3
RADT 120 Clinical Radiology II	2

Spring (1st year)

RADT 102 Radiologic Technology II	4
RADT 112 Radiographic Positioning II	2
RADT 124 Clinical Radiology III	2

Summer 2

RADT 125 Clinical Radiology IV	3

Fall (2nd year)

RADT 206 Radiologic Technology III	2
RADT 211 Radiographic Positioning III	2
RADT 224 Clinical Radiology V	3

Spring (2nd year)

RADT 207 Radiologic Technology IV	2
RADT 225 Clinical Radiology VI	3
RADT 240 Radiologic Technology V.	2

Total RADT credits 37

Total credit hours 66

Advising Worksheet

Advising Guide

ADMISSIONS STEPS
MONTGOMERY COLLEGE
RADIOLOGY TECHNOLOGY
(2 Year Associate of Applied Science Degree)

Follow these 6 steps to become a student of the Montgomery College Radiology Technology Program.

1_____Attend Information Session

2_____Submit a Montgomery College Admission Application (unless currently enrolled)

3_____ Submit to Admissions and Records the following:

- Health Science Application for admission into the Radiology Technology Program by March 1 to Admissions and Records Dept.
- High School Transcript (to verify graduation) OR;
- Official transcript from each and every college attended;
- Results of Math and English Assessment Tests (if applicable)
- Minimum requirements for application submission: completion of college level English and Math, completion of BIOL 150, BIOL 212 and a minimum GPA of 2.5
- Attach a copy of your TEAS results showing the minimum required levels or higher to your Health Sciences application to the Radiologic Technology program
- **Recommended for priority consideration** *but not require*d for program admission: Successful completion of the following academic core classes- HINM 115, BIOL 213.

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The completion of all program admission requirements does not guarantee placement into the program

Admissions and records department will process applications and will accept students based on the priority classes taken and GPA

Once you are accepted into the program you will need to

4. _____Attend the orientation as directed on the acceptance letter
5_____ Register for classes
6_____ Pay tuition/fees

Start of classes:

The Radiology program starts each summer. Courses are taught during the day

Application deadline is March 1 of each year

RADIOLOGIC TECHNOLOGY

INFORMATION SHEET

MONTGOMERY COLLEGE

Takoma Park/Silver Spring Campus

This information has been developed to summarize the admission procedures outlines in the Montgomery College Catalog. Please refer to the catalog for specific information regarding these procedures.

I **Admission Criteria**

A. Completion of the Application Procedure as outlined above
B. Completion of BIOL 150 and BIOL 212, Completion of ENGL 101 and Math foundation by end of Fall semester
C. Minimum GPA of 2.5 based on cumulative or last 24 credits
D. This is a limited enrollment program, therefore admission will be based on *TEAS placement test scores: 70% Reading/66% cumulative
1. Grade Point Average
In determining academic background, the collegiate history will be used for those with twenty-four or more hours of college credit. Otherwise, the secondary school record, adjusted by any collegiate credits completed, will be used in making determinations.

NOTE: G.P.A. must be from an American high school or college.

II Program Information

A. Students are admitted to the program once a year in the summer. The application deadline is March 1.
B. Twenty seven (27) students will be accepted to the program
C. RADT theory classes are offered in the day. Clinical affiliations will occur during the day and for 10 weeks each summer
D. Sixty six (66) credits are required for graduation. Thirty seven (37) credits of RADT courses and 29 credits of General Education.
E. RADT courses must be taken in sequence.
F. A student must earn a "C" (78% in the didactic component,86% for the clinical component of RT program) in each RADT course in order to continue in the program
G. This is a 24 month program – Classes offered Fall, Spring, Summer for two years
H. This program is offered only at the Takoma Park/Silver Spring Campus

TEAS
Testing For Essential Academic Success

Applicants for the Radiologic Technology Program must take the TEAS test and submit their qualifying scores (70% Reading/66% cumulative) with the Health Science Application. For more information and support on taking the TEAS test
For support with the TEAS test, please contact the Learning Skill Support Services at LSSS@montgomerycollege.edu

ASSOCIATED PROGRAM EXPENSES

Physical Exam	$125.00 - $200.00
Immunizations	$420.00 - $820.00
Blood Titers	$300.00 - $350.00
Criminal Background Test and Drug Testing	$100.00 - $110.00
PPD	$10.00 - $40.00
Uniforms	$100.00 - $150.00
CPR	$35.00 - $60.00
Books	$500.00+
Parking at Clinical Sites	$0.00 - $25.00 per/day
Lead Markers	$16.00
ESTIMATED TOTAL	$1616 - $2,271

All Costs are estimates

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Department of Labor
Bureau of Statistics

Please reference this webpage for duties as described by the Department of Labor

http://www.bls.gov/ooh/healthcare/radiologic-technologists.htm

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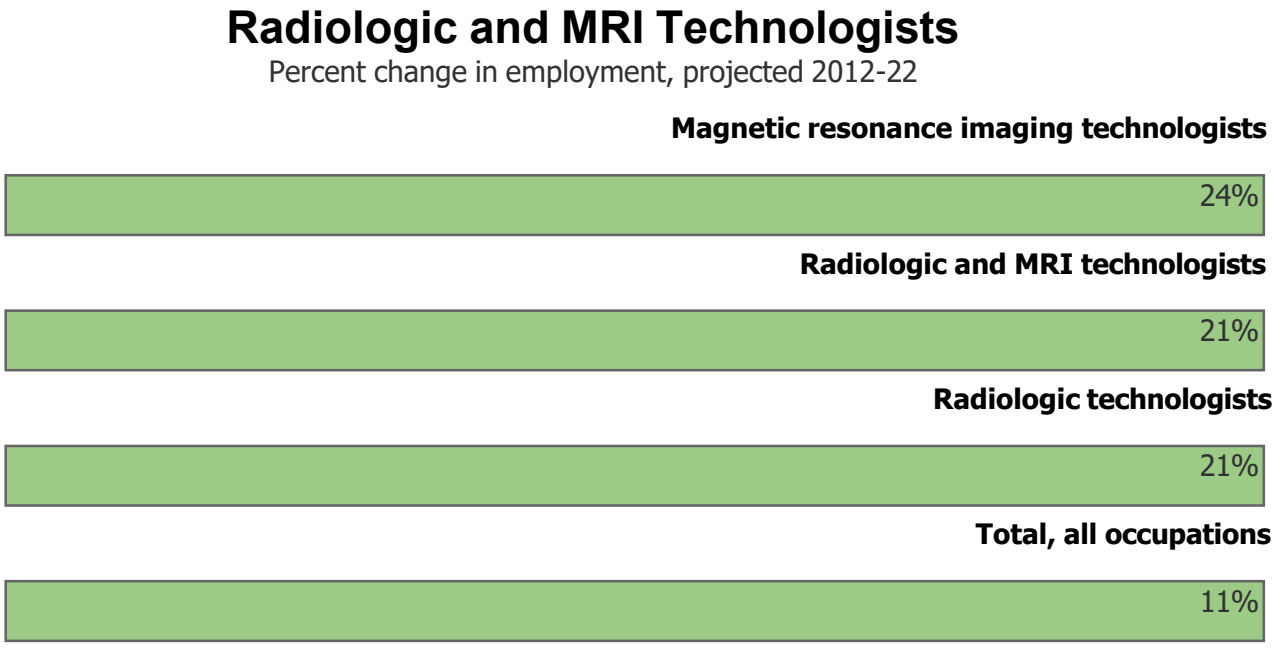
STATEWIDE PROGRAM STATEMENT

Enrolled Students Outside of Montgomery County
The Radiologic Technology Program may or may not be included under Designated Statewide Programs at the time of your enrollment. If the program is listed you will be able to request the in-county tuition rate. Check the here for more information

Career Ladder in Diagnostic Imaging
The Future is bright!

Radiographers are employed at hospitals, physician offices, urgent care facilities, mobile radiography units. Radiographers work day, evening, weekends or night shifts. Radiographers can be employed full time or part time or as PRN's (temps)



Source: http://www.bls.gov/ooh/healthcare/radiologic-technologists.htm#tab-6

Radiographers have the opportunity to cross train in other imaging modalities, become floor supervisors or department supervisors* (may require additional educational training)

Montgomery College Radiologic Technology graduates have multiple opportunities to take advantage of articulation agreements with four year institutions to further their education. Please refer to the transfer link on the Radiologic Technology web page

Below is a chart supplied by the American Registry of Radiologic Technologists listing the number of advanced modalities from which Radiography is the supporting category.

Two Categories of Certification: Primary and Post-Primary

Primary

ARRT provides a primary category of certification in five disciplines of radiologic technology:

Radiography
Radiographers apply ionizing radiation to demonstrate portions of the human body — on a radiograph, fluoroscopic screen, or other imaging system — to assist physicians in diagnosis of disease and injury.

Nuclear Medicine Technology
Nuclear medicine technologists use radioactive materials in specialized studies of body organs to assist physicians in diagnosis and treatment of disease.

Radiation Therapy
Radiation therapists use ionizing-radiation producing equipment to administer therapeutic doses of radiation as prescribed by physicians for treatment of disease.

Magnetic Resonance Imaging
Magnetic resonance imaging technologists utilize the resonant frequency properties of atoms within a magnetic field to image anatomic and/or physiologic conditions of the body to assist physicians in the diagnosis of disease.

Sonography
Sonographers use nonionizing, high-frequency sound waves to image portions of the human body to assist physicians in making diagnoses.

Post-Primary

ARRT offers a post-primary category of certification in mammography, computed tomography, magnetic resonance imaging, quality management, bone densitometry, cardiac-interventional radiography, vascular-interventional radiography, sonography, vascular sonography and breast sonography. ARRT also offers certification for radiologist assistants.

Candidates for post-primary certification must be registered by ARRT (except where noted) in the appropriate disciplines as indicated below.

	Radiography is a supporting category for	**Nuclear Medicine Technology*** is a supporting category for	**Radiation Therapy** is a supporting category for	**Sonography**** is a supporting category for	**Magnetic Resonance Imaging** is a supporting category for
Mammography	■				
Computed Tomography	■	■	■		
Magnetic Resonance Imaging	■	■	■	■	
Quality Management	■	■	■		
Bone Densitometry	■	■	■		
Cardiac-Interventional Radiography	■				
Vascular-Interventional Radiography	■				
Sonography	■	■	■	■	■
Vascular Sonography	■	■	■	■	
Breast Sonography	■***			■	
Radiologist Assistant	■				

** Supporting category of Nuclear Medicine Technology may be through ARRT or NMTCB.*
*** Supporting category of Sonography may be through ARRT or ARDMS.*
**** Registration in both Radiography and Mammography as supporting categories is needed for Breast Sonography eligibility.*

Thank you for your interest in the program. If you have not attended an information session you are strongly encouraged to do so. Information session date, times and locations can be found on the Radiologic Technology Web Page at www.montgomerycollege.edu/rt