



What does a radiographer do?

Radiographers use sophisticated x-ray equipment to image the structures of the body, as prescribed by the physician, to diagnose injury or disease. Their responsibilities require a knowledge of anatomy, physiology and pathology, patient positioning, radiographic technique, radiation safety, patient care and communication. Radiographers use critical-thinking to accommodate a variety of patient needs and imaging scenarios. More information is available at www.arrt.org.

What skills are needed to excel in this profession?

- Good critical thinking skills
- Good written and verbal communication skills
- The ability to work well with others and care for patients
- A professional attitude and appearance

Note to students: You are entering a profession that operates 24 hours a day, 7 days a week, and 365 days a year. Work shifts include day, evening, and night hours.

What is the employment outlook for a radiographer?

The employment of radiographers is expected to increase by about 12 percent from 2016 to 2026, faster than average for all occupations. Radiographers with knowledge of more than one diagnostic imaging modality, such as computed tomography (CT), magnetic resonance

imaging (MRI), and mammography, will have the best employment opportunities (source: Bureau of Labor Statistics www.bls.gov/ooh).

What is the estimated salary for a radiographer?

Earnings vary depending on experience, education, and skill level. According to the Bureau of Labor Statistics, the median annual wage for radiographers was \$69,930 in 2017.

Where do radiographers work?

Radiographers work primarily in hospitals but other employment opportunities include clinics, physician's offices, freestanding imaging centers, manufacturing plants, research centers, outpatient surgical centers, mobile imaging centers, veterinary offices and hospitals, and teleradiology services.

Why should I choose HCC's Radiography Program?

- HCC's radiography program is nationally accredited by the Joint Review Committee on Education in Radiologic Technology
- Excellent pass rate on the American Registry of Radiologic Technologists (ARRT) national certification examination in radiography (five-year first time pass rate=93.2 percent)
- HCC offers the ability to complete advanced certifications in computed tomography (CT) imaging, magnetic resonance imaging (MRI), and a letter of recognition in mammography
- Imaging and simulation labs are well-equipped
- Clinical education is completed in state-of-the-art healthcare facilities offering a wide range of imaging services
- This program is also designated as a Health Manpower Shortage Program (Therefore, some residents of Maryland, enrolled in this program, may be eligible for in-county tuition rates for courses required for program completion.)

Is HCC's Radiography Program accredited?

The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The program has maintained JRCERT accreditation since

its first review in 1975 and is currently accredited. More information is available at www.jrcert.org.

Am I eligible to sit for the national certification exam in radiography?

Students who successfully meet the American Registry of Radiologic Technologists ethics requirement and complete HCC's Radiography Program are eligible to sit for the ARRT certification examination. Information on the ethics requirement for ARRT certification can be found on the following website: www.arrt.org. ARRT certification is required for employment.

Are there advancement opportunities for a radiographer?

Radiographers enjoy a wide range of career advancement opportunities such as specialized imaging careers in computed tomography (CT), magnetic resonance imaging (MRI), mammography, diagnostic medical sonography, education, and management. HCC currently offers advanced certifications in CT, MRI and Mammography.

Is state licensing required for radiographers?

Currently, there are licensing requirements for radiographers in approximately two-thirds of the states. Maryland, West Virginia, and Virginia require radiographers to have a license to practice.

How do I apply to HCC?

Students applying to HCC for the first time can apply online or download and complete an application for admission. There is no fee to apply to HCC. You will need to submit all official college transcripts from all colleges attended to the Office of Admissions and Enrollment Management. To find out more about the application process, go to www.hagerstowncc.edu/admissions.

Submission of the supplemental application for the radiography program is required to place your name on the applicant list for the program. To find the supplemental application, go to www.hagerstowncc.edu/admissions/forms-documents. The supplemental application can be submitted online or downloaded.

What are the admission requirements for the radiography program?

Admission to HCC does not guarantee admission to the radiography program. The requirements listed below must be completed and submitted to the Office of Admissions and Enrollment Management by the application deadline of February 1.

- Submit a complete program application known as the Supplemental Application for the radiography program.
- Submit official transcripts from all colleges attended (students taking classes at HCC do not need to submit an HCC transcript).
- Submit a Radiography Observation form showing eight hours of observation (observation forms older than three years will not be accepted).
- A minimum of 19 general education credits must be completed or in progress at the time of application deadline: ENG-101, MAT-109 or MAT 114 or MAT 101, BIO-116 or BIO 204, PSY-101, Diversity, and Arts and Humanities credit.
- The application deadline is February 1 each year with the accepted class beginning program courses in May. The radiography program is a selective admissions process and students are accepted based on a specific point system. Applicants are notified by letter as to acceptance or non-acceptance.

What are the estimated costs for the radiography program?

A list of the estimated costs for the radiography program can be viewed at www.hagerstowncc.edu/medical-imaging.

What are the requirements and expectations for the clinical component?

Students accepted into the radiography program must satisfactorily complete the following: all requirements on the health form, drug screen, fingerprinting and background check, American Heart Association Healthcare Provider CPR, medical terminology, and documentation of computer literacy. Students enrolled in the Radiography Program are assigned to healthcare facilities within the tri-state region. Students are expected to abide by the rules and protocols of the College, program, and the facility, and are also expected to provide their own transportation to the facility. Clinical education assignments are completed on a semester basis and will include day, evening and weekend schedules between the hours of 6 a.m. and 9 p.m. Students are expected to be in proper uniform with appropriate identification during all clinical education assignments.

What are the academic requirements for the radiography program?

Students are expected to achieve a minimum grade of 75 percent in each radiography course to progress to the next semester of the program. Misconduct in the clinical education site may result in loss of clinical placement and/or program dismissal. Failure to meet program, course, technical, health, and radiation standards may result in loss of clinical placement and/or program dismissal.

How do I transfer credits from another school?

Applicants may transfer general education courses from other regionally accredited institutions. Official transcripts from all institutions attended should be sent directly to the Office of Admissions and Enrollment Management at HCC. Upon completion of a three-credit course at HCC, transfer credits become part of the student's official transcript at HCC.

Contact the Medical Imaging Programs Coordinator for more information.

Technical Standards

There are technical standards and skill requirements which students are expected to possess and demonstrate in order to be successful in this program. Final acceptance into the Radiography program is contingent upon students meeting the program's technical standards which are evaluated at orientation. More information on these standards can be found at www.hagerstowncc.edu/medical-imaging.

A.A.S. Degree

Radiography (Three-Year Pathway)

General Education Requirements 19-20 credits Arts/Humanities

Select Arts/Humanities course from approved General Education course list..... 3

Behavioral/Social Sciences
PSY 101 General Psychology..... 3

Biological/Physical Science
BIO 116 Human Anatomy and Physiology for Allied Health..... 4

OR
BIO 203 Human Anatomy and Physiology for Allied Health..... 4

AND
BIO 204 Human Anatomy and Physiology II.... 4
**Students who plan to transfer should discuss science requirements with their advisor*

Diversity
Select Diversity course from approved General Education course list 3

English
ENG 101 English Composition 3
OR
ELL 101 English Composition for English Language Learners 4

**A minimum grade of "C" or better is required for ENG 101 and ELL 101*

Mathematics
MAT 109 Introduction to Statistics 3
OR
MAT 114 Introduction to Applied Algebra 3
OR
MAT 101 College Algebra..... 3

Radiography Course Sequence

Program Requirements 49 credits

First Year – Summer Semester I
RAD 101 Radiography I..... 2
RAD 103 Radiographic Positioning I 3
RAD 109 Patient Care for Radiographers..... 3

First Year – Fall Semester I
RAD 102 Radiography II..... 2
RAD 104 Radiographic Positioning II 3

RAD 106 Clinical Technique I..... 2

First Year – Spring Semester I
RAD 105 Radiographic Positioning III..... 3
RAD 108 Clinical Technique II..... 2
PHY 106 Radiological Physics Theory 3

Second Year – Summer Semester II
RAD 200 Clinical Practicum..... 4
RAD 215 Pathology for Imaging Sciences 3

Second Year – Fall Semester II
RAD 201 Radiographic Imaging Concepts 3
RAD 205 Clinical Technique III..... 4
BIO 202 Radiation Biology..... 2

Second Year – Spring Semester II
RAD 202 Advanced Medical Imaging Concepts3
RAD 211 Clinical Technique IV 4
RAD 212 Cross-Sectional Anatomy..... 3

Degree Requirement..... 68

A.A.S. Degree

Radiography (Two-Year Pathway)

First Year – Summer Semester I
RAD 101 Radiography I..... 2
RAD 103 Radiographic Positioning I 3
RAD 109 Patient Care for Radiographers 3
BIO 116 Human Anatomy and Physiology for Allied Health..... 4

**Students who plan to transfer should discuss science requirements with their advisor*

First Year – Fall Semester I
RAD 102 Radiography II..... 2
RAD 104 Radiographic Positioning II 3
RAD 106 Clinical Technique I..... 2
Gen Ed Diversity..... 3

First Year – Spring Semester I
RAD 105 Radiographic Positioning III..... 3
RAD 108 Clinical Technique II..... 2
PHY 106 Radiological Physics Theory 3
ENG 101 English Composition 3
MAT 109 Intro to Statistics 3
OR
MAT 114 Intro to Applied Algebra 3
OR
MAT 101 College Algebra..... 3

Second Year – Summer Semester II
RAD 200 Clinical Practicum..... 4
RAD 215 Pathology for Imaging Sciences 3

Second Year – Fall Semester II
RAD 201 Radiographic Imaging Concepts 3
RAD 205 Clinical Technique III..... 4
BIO 202 Radiation Biology..... 2
PSY 101 General Psychology..... 3

Second Year – Spring Semester II
RAD 211 Clinical Technique IV 4
RAD 202 Advanced Medical Imaging Concepts3
RAD 212 Cross-Sectional Anatomy..... 3
Gen Ed Arts/Humanities 3

Degree Requirement..... 68

Contact Information:

Michelle McDaniel
Program Coordinator/Instructor,
Medical Imaging Programs
240-500-2549
mlmcdaniel@hagerstowncc.edu