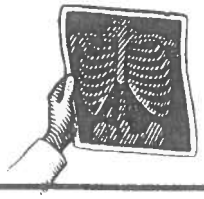

The Radiography Program Packet

The Radiography Program

A Radiographer (radiologic technologist) is an essential member of the health care team. ***Radiographers*** produce and process x-ray films of parts of the human body – such as bones and supportive structures – to help in the diagnosis of injury and disease. Radiographers also position patients accurately, implement safety measures to protect patients, co-workers, and themselves from dangers, and calculate the angles and arrangements of specialized equipment to produce quality images. For certain types of more complex testing, Radiographers prepare "contrast" solutions – substances that patients drink to provide a more detailed image of soft tissues in the body.

The mission of the Radiography Program at MTC (sometimes referred to as the MTC School of Radiography) provides an environment for students radiographers to become qualified and competent technologists in a health care setting. We partner with the health care community to provide higher education for radiographers, and encourage the process of life-long learning.

What Will It Take To Succeed?

To be successful, a student must make a personal commitment to attend all classes, work independently between class sessions, and complete all assignments in a timely manner.

Students in the Radiologic Technology Program will learn to...

- Demonstrate knowledge and skill to accurately position patients for imaging procedures;
- Modify standard procedures to accommodate for patient conditions and other variables to obtain quality images;
- Determine exposure factors to obtain diagnostic quality images with minimum radiation exposure;
- Recognize emergency patient conditions and initiate first aid and basic life support procedures;
- Evaluate images for appropriate positioning and image quality;
- Demonstrate knowledge and skills related to quality assurance;
- State the safe limits of equipment operation and report malfunctions to the proper authority;
- Exercise independent judgment and discretion when performing imaging procedures;
- Demonstrates an understanding of your role in the healthcare environment;
- Practice radiation protection for the patient, self, and others;
- Practice effective communication with patients and other health professionals;
- Provide basic patient care, comfort, anticipate patient needs, and patient education;
- Demonstrate an understanding of basic x-ray production and interactions;
- Demonstrate knowledge of human structure, function, and pathology; and support the profession's code of ethics and comply with the profession's standard of practice.

All students must complete the Non-Academic Standards prior to acceptance into the program. The students must have:

- Sufficient eyesight to observe patients, manipulate equipment, and evaluate radiographic quality;
- Sufficient hearing to access patient needs and communicate verbally with other health care providers;
- Sufficient verbal and written skills to communicate needs promptly and efficiently in English;
- A reading comprehension level of ability comparable to formal education;
- Sufficient gross and fine motor coordination to respond promptly, manipulate equipment, lift a minimum of 30 pounds, and possess the ability to support 175 pounds and ensure patient safety;
- The ability to work while standing, sometimes for hours; and
- Satisfactory intellectual and emotional functions to exercise independent judgment and discretion in safe technical performance of medical imaging procedures.

This work involves risks or discomfort that requires special safety precautions, additional safety education and health risk monitoring (i.e., ionizing radiation, darkroom chemicals, infectious disease). Students are required to use protective clothing or gear such as masks, gloves, and lead aprons. Please read the Radiography Student Handbook for a more detailed listing of the Non-Academic Standards.

Radiologic Technology

Associate of Applied Science

Marion Technical College

About the Program

Produce x-ray images to help in the diagnosis of injury and disease; position patients for accurate imaging; administer special agents that produce greater contrast in biological tissues and structures; maintain strict standards for safety and quality control.

Length of program

6 semesters | 65 credits

Program Contact

Deb Myers
Associate Dean of Health
Director of Medical Imaging Programs
myersd@mtc.edu
740-386-4106

2025-26 Curriculum

Per program policy, a minimum grade of "C" is required to pass all RT courses.

SEMESTER 1

Course No.	Course Title	Credits
RAD1001	Intro to Radiologic Technology	2
ALH1110	Medical Terminology	3
MTH1240/MTH1241	Statistics	3
ALH1190	Physics For Allied Health	2
ENG1000	English Composition I	3

SEMESTER 2

Course No.	Course Title	Credits
RAD1010	Methods of Patient Care	2
RAD1020	Radiographic Positioning & Procedures I	4
RAD1100	Radiologic Technology Clinical I	3
RAD1052	Radiation Physics	2
BIO1240	Anatomy and Physiology I	4

SEMESTER 3

Course No.	Course Title	Credits
RAD1030	Radiographic Positioning & Procedures II	4
RAD1061	Principles of Radiographic Exposure	2
RAD1200	Radiologic Technology Clinical II	3
BIO1250	Anatomy & Physiology II	4

SEMESTER 4

Course No.	Course Title	Credits
RAD1300	Radiologic Technology Clinical III	4
OIS1240	Computer Applications	3
ENG1100	English Composition II	3

SEMESTER 5

Course No.	Course Title	Credits
RAD2000	Advanced Imaging Procedures & Equipment	2
SOC2020	Ethnic and Cultural Diversity	3
RAD2101	Radiologic Technology Clinical IV	2
RAD2050	Radiographic Pathology	1

SEMESTER 6

Course No.	Course Title	Credits
RAD2030	Principles of Radiobiology	1
RAD2060	Radiographic Review	1
RAD2201	Radiologic Technology Clinical V	2
ALH1130	Healthcare Issues: Medical Professional	1
ALH1140	Healthcare Issues: Medical Law and Ethics	1

GET TO NEXT

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Application requirements and eligibility may vary by program.

Marion Technical College is accredited by the Higher Learning Commission. MTC is also accredited by the Accreditation Commission for Education in Nursing. In addition, MTC is approved by the Ohio Board of Nursing, Ohio Bureau of Vocational Rehabilitation, the Ohio College Association, the Ohio State Department of Vocational Education, and the State Approving Agency for Veteran Training.

To begin the enrollment process visit *mtc.edu/admissions* or contact us at *enroll@mtc.edu*

MARION TECHNICAL COLLEGE
ADVISING SHEET
SCHOOL OF RADIOGRAPHY

_____ _____
Student Name (Please Print) **Phone Number**

1. ____ Student has spoken with admission counselor and understands the MTC admission requirements.
   - ___ MTC Application
   - ___ High School Transcript (GED)
   - ___ College Transcript (if applicable)
   - ___ Writing Skills College Ready Placement
   - ___ Math Skills College Ready Placement
   - ___ Reading Skills College Ready Placement
   - ___ Technology Skills Test (TST)
   - ___ Understands Radiography application is separate form
2. ____ Informed of minimum high school level coursework or successful completion of MTC coursework.
   - ___ Reading Skills: College Level Placement
   - ___ Stats: College Level Placement Shelf-life on the Math portion is three (3) years.
   - ___ Writing Skills: College Level Placement
3. ____ Biology and Chemistry: College Level Placement
4. ____ Recommend high school geometry and physics.
5. ____ Informed application for Radiography Program must be turned in by June 6th of the year requesting admission. Understands students are admitted to program based upon an Admission Point System. Understands if not selected, student must reapply for future admission.
6. ____ Understands must have a minimum accumulative grade point average of 2.5 (4.0 scale) or equivalent from high school, or minimum 12 semester credit hours or equivalent of college credit, or successful completion of GED examination. GPA used for admission point system will be the most recent GPA.
7. ____ Understands student must be at least 18 years of age at the end of the calendar year in which he or she is seeking admission.
8. ____ Understands must observe in an Imaging Department within department guidelines prior to application into the Radiography Program and submit completed observation form.
9. ____ Understands must maintain a minimum 2.0 accumulative grade point average at MTC as well as a minimum 2.0 GPA in all required program courses.
10. ____ Understands must complete a physical examination prior to admission into the program as well as meet all non-academic standards for admission.
11. ____ Understands must complete a drug screen facilitated by Marion Technical College. Positive drug screens will result in ineligibility for admission and/or continuation in the program. If student fails to cooperate or complete any drug screening, he or she will be considered "positive" and dismissed from the program. Understands students may be subject to random drug screens.
12. ____ Understands that the American Registry of Radiologic Technologist Board reserves the right to deny admission to the ARRT examination if an individual has been convicted of a crime, including felony, misdemeanor, or drug-related arrests.
13. ____ Informed of successful criminal background check and drug screen requirements. Understands potential employers may require background check and drug screening for potential employment and completion of a MTC program does not guarantee future employment. Has the student completed a ***Criminal Background Disclosure Form***?
    YES **NO** Advisor's Initials_____

_____ _____
Signature of Advisor Signature of Student

_____ _____
Date Social Security Number/or PID

MARION TECHNICAL COLLEGE
SCHOOL OF RADIOGRAPHY
ADMISSION SCORING

GRADE POINT AVERAGE:

GPA x 10 points = Max 40 points

Minimum 2.5 accumulative grade point average. Most recent high school or college GPA will be used. Minimum 12 credit hours of college-level credits must be used to evaluate college GPA. PSEO student's high school GPA will be combined and averaged with their college GPA. _____

OBSERVATION HOURS:

32 hours minimum. Max 30 points. Minimum of 3 sites.

Completion of RAD 1001 and/or RAD1010	+	8 observation hours awarded per completed class.

32 hours = 10 points 50 hours = 11 points 75 hours = 12 points	+	0-18 points based on 3 different registered radiographer recommendations.

_____

TECH PREP, CCP DMS CLASSES or Allied Health Degree completion (DMS, OTA, MLT, SURG, PTA) :

3 points

_____

RAD CURRICULUM: 5 points each course. Max 35 points.

Successfully completed coursework prior to admission deadline will be considered. All coursework must be "C" or better.

SCI 1200 Anatomy & Physiology I	+5
SCI 1250 Anatomy & Physiology II	+5
MTH 1240 Statistics	+5
ALH 1100 Medical Terminology	+5
ALH 1190 Physics for Allied Health	+5
RAD 1001 Introduction to Radiography	+5
RAD 1010 Methods of Patient Care	+5

Total Curriculum Points: _____

TOTAL APPLICANT SCORE:

_____

Marion Technical College

Allied Health Programs

I understand that prior to acceptance into an Allied Health program, I will be subject to a background check including, but not limited to, an analysis of fingerprints and review of all prior criminal records. The submission of any false information to Marion Technical College shall be cause for immediate dismissal from an Allied Health program.

Do you have **any** criminal background? _____YES _____NO

_____ _____

Signature of Student Date of Birth

_____ _____

Printed Student Name PowerCampus ID or Social Security

_____

Date

Carla Deb: Criminal Background Disclosure
February 4, 2010