

Radiologic Technology, AAS

St. Mary's School of Medical Imaging

Academic Year 2025-2026

Program Description:

The Radiology program is a hospital-based program, partnered with Mountwest CTC and St. Mary's School of Medical Imaging(SOMI) to offer an Associates of Applied Science in Radiology. The student must complete or be enrolled in all pre-requisite Radiology admission courses before applying to the program. St. Mary's Medical Center School of Medical Imaging was established in June 1964. The Radiography Program is accredited by the Joint Review Committee on Education in Radiologic Technology and, upon graduation its students are eligible to take the American Registry of Radiologic Technologists' exam. In order for a student to be eligible for graduation, they must demonstrate satisfactory completion of all didactic and clinical course work requirements. Students get rotational experience across different medical imaging techniques. The SOMI Radiology program provides the students with 1200 hours of clinical experience. The school upholds strict standards of clinical excellence and professionalism for its students.

Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Program Outcomes:

- **The program will graduate clinically competent imaging professionals to meet community healthcare needs**
- **Students/graduates will be effective communicators**
- **Students/graduates will model professionalism**
- **Students/graduates are effective at critical thinking**

Admission Requirements: Applications to the Radiology program must be submitted between January 1st and May 15th each year. Admission to Mountwest Community & Technical College must be completed before applying to the program.

- Prior to acceptance into the Radiologic Technology Program, a student must have completed the following prerequisite college courses. Courses may be completed at any post-secondary institution. For courses to qualify for the Associates of Applied Science degree in Radiologic Technology through Mountwest, they must be accepted and successfully transferred to Mountwest. This transfer process is the sole responsibility of the student. A minimum of 15 hours must be taken directly on Mountwest campus to be granted the Associate's degree.

The following prerequisite courses and all XRAY courses must be passed with a "C" or better.

- a. AH 151 Medical Terminology
 - b. Biol 260 Human Anatomy
 - c. Biol 265 Physiology
 - d. Sci 110 Physics with Lab
 - e. Math 120
- ACT is not required, but no points toward acceptance will be given with a score below 19. See the scoring sheet.
 - High School and Post-Secondary GPA are also weighted factors in the application process. Points will be awarded for the following:
 - High School GPA of 3.0 or better
 - College GPA of 2.5 or better

Contact Information: Mountwest

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Contact Information St. Mary's School of Medical Imaging

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Mountwest empowers students to learn and lead in the community and in the workforce.

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Mountwest Community & Technical College
Academic Year 2025-2026

03/13/25

Medical Imaging¹—Major Code CX10

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	Prerequisites						
AH 151	Medical Terminology		3				
BIOL 260	Human Anatomy		4				
BIOL 265	Human Physiology		4				
MAT 120	Applied Professional Math ²		3				
SCI 110	Intro to Physics ³		4				
COM 112 or COM 125	Oral Communication Interpersonal Communication		3				
			21				
XRAY 101	Intro to Radiography		3				
XRAY 102	Patient Care Imaging Science		3				
XRAY 104	Radiographic Anatomy		3				
XRAY 105	Imaging Procedures I		4				
XRAY 106	Clinical Practice I		4				
XRAY 111	Seminar Imaging Science I		1				
			18				
XRAY 107	Imaging Procedures II		4				
XRAY 108	Pharmacology for Imaging Science		2				
XRAY 109	Intro to Imaging Equipment		3				
XRAY 110	Clinical Practice II		4				
XRAY 112	Seminar Imaging Science II		1				
XRAY 204	Radiographic Pathology		3				
			17				
XRAY 202	Principles of Radiation Physics		3				
XRAY 203	Image Acquisition I		3				
XRAY 205	Clinical Practice IV		4				
XRAY 206	Seminar Imaging Science III		1				
XRAY 207	Radiobiology		3				
XRAY 221	Imaging Procedures III		4				
			18				
XRAY 208	Radiographic Image Analysis		2				
XRAY 209	Image Acquisition II		3				
XRAY 210	Clinical Practice V		4				
XRAY 211	Seminar Imaging Science III		1				
XRAY 222	Radiation Safety		3				
XRAY 235	Registry Review		1				
			14				
HOURS REQUIRED FOR GRADUATION: 88							

¹ All XRAY courses have a prerequisite of admission to the program, and a “C” or better in all courses.

² MAT 120 has a prerequisite of a minimum ACT Math score of 19, SAT Math score of 510, or Accuplacer 250.

³ SCI 110 has a prerequisite of MAT 120(E), MAT 130(E), MAT 132, MAT 135, MAT 144, MAT 205, MAT 229, or permission.