

Associate in Applied Science

Program Description:

The Radiologic Technology Program is a cooperative effort between Marshall Community and Technical College and St. Mary's Medical Center (SMMC). Among the required Pre-Radiologic Admission courses, at least 12 of the 26 credits must be completed at Marshall Community and Technical College. The student should complete MAT 145, SCI 110, AH 151, and BIOL 260 before application to the St. Mary's program. The student may either complete the remainder of the Marshall Community and Technical College courses prior to application to the program or complete the courses after completing the Radiologic Technology coursework.

The Radiologic Technology program prepares students for careers as radiographers, who work under the supervision of medical radiologists or physicians. The radiographer produces a radiographic image of the highest diagnostic quality of any designated area of the human body. The radiologist then makes an interpretation of the image.

Career Outlook:

The job outlook is expected to remain good. According to the Occupational Outlook Handbook, 2003 the employment of radiologic technologists is expected to increase faster than the average for all occupations through the year 2010. This increase is mainly due to the growth of the middle-aged and elderly population. Most of the jobs are in hospital departments. Some employment is found in physician offices and clinics. Some job openings will arise from the need to replace technologists and technicians who leave the occupation.

Salary Forecast:

The following wage forecast information has been gathered from various state and career-specific web pages. Salary ranges depend on the geographic location of the job. Median hourly earnings across the United States of Radiologic Technologist were \$18.75 in 2000. The middle 50% earned between \$15.75 and \$22.59 an hour. The median annual earning was \$36,000 in 2000. The lowest 10% earned less than \$25,310 (US Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook, 2003)

Employment Opportunities:

- Hospitals
- Clinics
- Commercial radiological laboratories
- Physicians' offices
- Mobile radiological services

Admission Requirements

18 to 20 applicants are accepted into the program per year. Minimum requirements for consideration are:

- Applicants for admission to SMMC School of Radiography Technology must complete an application between January 1 and April 1 for the class beginning the following July.
- High school diploma or successful completion of the GED.
- A minimum of 14 hours of college credit.
- A "C" or better in the following Marshall Community and Technical College courses: MAT 145, BIOL 110, AH 151, BIOL 260, BIOL 265 and SCI 220.
- A minimum cumulative GPA of 2.5 in all college level courses is required at St. Mary's. A minimum GPA of 2.5 must be obtained on all math and science courses.
- A minimum composite score of 19 on the ACT and a minimum score of 19 on the math and science portions of the ACT will improve an applicant's chances of being accepted into the program.

St. Mary's Program:

The training program at SMMC School of Radiography Technology consists of 24 months of class work and clinical experience. The program provides the students with a total of 800 classroom hours and 1,950 hours of clinical experience. All new students are evaluated after their first two months with the program. If a student's class work or clinical experience is unsatisfactory, the school will request that the student withdraw from the program at that time.

Major Code – CP30

FIRST YEAR^{2,3}	
<p>First Semester</p> <p>AH 151 Medical Terminology.....3 BIOL 260 Applied Human Anatomy4 COM 111 Written Communication.....3 MAT 145 Applications in Algebra.....3 SCI 220 Basic Chemistry⁸3 TOTAL CREDITS16</p>	<p>Second Semester</p> <p>COM 112 Oral Communication3 IT 101 Fundamentals of Computers.....3 SCI 110 Introduction to Physics⁴4 BIOL 265 Applied Human Physiology4 SS 215 Lifespan Psychology⁵.....3 TOTAL CREDITS17</p>
SECOND YEAR^{6,7}	
<p>Semester I</p> <p>RS 201 Fundamentals of Radiographic Science1 RS 202 Patient Care.....1 RS 203 Ethics and Law.....1 RS 204 Radiographic Procedures I/Lab I.....4 RS 205 Clinical Practice I5 TOTAL CREDITS12</p>	<p>Semester II</p> <p>RS 208 Radiographic Procedures II/Lab II4 RS 209 Radiographic Science Pharmacology.....2 RS 210 Clinical Practice II.....7 RS 221 Human Diversity for Radiologic Technology.....3 TOTAL CREDITS16</p>
THIRD YEAR^{6,7}	
<p>Semester III</p> <p>RS 211 Radiation Production and characteristics.....2 RS 212 Imaging and Processing/Imaging Lab I.....4 RS 213 Radiographic Pathology.....2 RS 215 Clinical Practice III.....6 TOTAL CREDITS.....14</p>	<p>Semester IV</p> <p>RS 206 Radiobiology.....2 RS 207 Radiation Protection.....2 RS 214 Imaging Lab II.....1 RS 216 Computers in Radiologic Science.....1 RS 217 Imaging Equipment.....2 RS 218 Advanced Imaging Modality Seminar.....0 RS 219 Registry Review Seminar.....0 RS 220 Clinical Practice IV.....4 TOTAL CREDITS.....12</p>
HOURS REQUIRED FOR GRADUATION: 87	

Employment Opportunities:

- Hospitals
- Clinics
- Commercial radiological laboratories
- Physicians' offices
- Mobile radiological services

Earn A Degree Graduate Early (EDGE):

This program provides students the opportunity to receive credit for their high school EDGE courses.

Contact Information:

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1. Cooperative degree between Marshall Community & Technical College and St. Mary's Medical Center.
 2. Pre-Radiological Admission Courses are taken at Marshall Community and Technical College.
 3. SCI 110 has a prerequisite of MAT 145.
 4. SS 210 may be substituted for SS 215.
 5. Admission to Radiologic Technology program is required before beginning second and third year coursework. Students should contact St. Mary's School of Radiology at 304-526-1259 or rfisher@st-marys.org for more information.
 6. Instructor permission is required for all Radiologic Technology coursework.