

# Health Occupations

## Radiologic Technology (Collins CC)

### Associate in Applied Science

#### Program Description:

The Radiologic Technology Program is a cooperative effort between MCTC and Collins Career Center (CCC). The student should complete or be enrolled in all pre-radiologic admission course before applying to the program. Admission requirements to Collins Career Center Radiologic Technology program may vary year to year. Please contact Adam Swolsky, MCTC, Program Coordinator at (304) 696-3750 for up-to-date admission information.

The CCC Radiologic Technology program provides the students with a total of 1,000 classroom hours and 1,420 hours of clinical experience.

#### Career Outlook:

Job opportunities are expected to be favorable. Some employers report difficulty hiring sufficient numbers of radiologic technologists and technicians. Imbalances between the demand for, and supply of, radiologic technologists and technicians should spur efforts to attract and retain qualified workers, such as improved compensation and working conditions. Radiologic technologists who also are experienced in more complex diagnostic imaging procedures, such as CT and MRI, will have better employment opportunities, brought about as employers seek to control costs by using multi-skilled employees.

Hospitals will remain the principal employer of radiologic technologists and technicians. However, a greater number of new jobs will be found in offices of physicians and diagnostic imaging centers. Health facilities such as these are expected to grow rapidly through 2014, due to the strong shift toward outpatient care, encouraged by third-party payers and made possible by technological advances that permit more procedures to be performed outside the hospital. Some job openings also will arise from the need to replace technologists and technicians who leave the occupation.

#### Salary Forecast:

Median annual earnings of radiologic technologists and technicians were \$52,210 in May 2008. The middle 50 percent earned between \$42,710 and \$63,010. The lowest 10 percent earned less than \$35,100, and the highest 10 percent earned more than \$74,970. Median annual earnings in the industries employing the largest numbers of radiologic technologists and technicians in May 2008 were:

Medical and Diagnostic Laboratories	\$56,260
General medical and surgical hospitals	\$53,790
Offices of physicians	\$50,210

(Information obtained from *Occupational Outlook Handbook, 2008-2009*)

#### Admission Requirements:

Prior to acceptance into the Radiologic Technology Program, a student must have completed the following:

1. 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 MCTC, they must be accepted and successfully transferred to MCTC. This transfer process is the sole responsibility of the student. A minimum of 12 hours must be taken directly on MCTC campus to be granted the Associate's degree.

The following courses must be passed with a "C" or better.

MAT 145-College Algebra	AH 151- Medical Terminology
ENL 111-Written Communication	IT 101- Fundamentals of Computers
BIOL-257-Introduction to Anatomy & Physiology	SCI 110 – College Physics

2. Minimum ACT score of 21 **or**

3. Successful completion of the pre-entrance (Work Keys) examination with a score of four in Locating for Information, and five in both the Math and Reading for Comprehension.

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
- Completion of College Chemistry and/or Psychology with a grade of "C" or better will be awarded additional points.

## Major Code – CR10

<b>FIRST YEAR<sup>1,2</sup></b>	
<b>Fall Semester<sup>2,3,4</sup></b> AH 151 Medical Terminology (EDGE).....3 BIOL 257 Intro. To Anatomy & Physiology (EDGE).....3 ENL 111 Written Communication .....3 MAT 145 Applications in Algebra .....3  <b>TOTAL CREDITS.....12</b>	<b>Spring Semester<sup>2,3,4</sup></b> COM 112 Oral Communication .....3 IT 101 Fundamentals of Computers (EDGE) .....3 SCI 110 Introduction to Physics <sup>5</sup> .....4 SS 215 Lifespan Psychology .....3  <b>TOTAL CREDITS.....13</b>
<b>SECOND YEAR<sup>2,b</sup></b>	
RAD 204 Radiographic Procedures I .....3 RAD 204L Radiographic Procedures I Lab.....2.5 RAD 201 Introduction to Radiology .....3 RAD 202 Clinical Practice I .....2 <b>TOTAL CREDITS.....10.5</b>	RAD 208 Radiographic Procedures II .....3 RAD 208L Radiographic Procedures II Lab.....1 RAD 212 Imaging & Processing/Imaging Lab .....3 RAD 205 Clinical Practice II .....3 <b>TOTAL CREDITS.....10</b>
<b>THIRD YEAR</b>	
RAD 222 Radiographic Procedures III .....3 RAD 211 Radiation Characteristics/Radiation Physics .....3 RAD 213 Radiographic Pathology .....3 RAD 206 Radiation Protection/Radiobiology .....3 RAD 210 Clinical Practice III .....3  <b>TOTAL CREDITS.....15</b>	RAD 209 Radiologic Pharmacology .....1.5 RAD 217 Quality Assurance .....1.5 RAD 218 Advanced Imaging Procedures .....3 RAD 219 Registry Review .....3 RAD 221 Human Diversity .....1.5 RAD 203 Ethics and Law .....1.5 RAD 215 Clinical Practice IV .....3 <b>TOTAL CREDITS.....15</b>
<b>HOURS REQUIRED FOR GRADUATION: 75.5</b>	

### 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:

Adam Swolsky • Cabell Hall, Room 303

Phone: 304-696-3750 or 1-866-N-ROLLED (1-866-676-5533) • E-mail: swolsky@mctc.edu

1. Cooperative Degree between Mountwest Community & Technical College and Collins Career Center.
2. Admissions requirements to Collins Career Center Radiologic Technology Program may vary from year to year. Please contact Adam Swolsky, MCTC Allied Health division at (304) 696-3750 for up-to-date admissions information.
3. Pre-Radiological Admission Courses are to be taken at Mountwest Community & Technical College.
4. It is recommended that students complete AH 151, BIOL 257, SCI 110, and MAT 145 before application to the program.
5. SCI 110 has a prerequisite of MAT 145.
6. Admission to Radiologic Technology program is required before beginning second and third year RAD courses. Students should contact Collins Career Center Radiology Program, Terri Williamson, at 740-867-6641 ext. 362 for application information.