

# RADIOLOGIC TECHNOLOGY

<http://sandburg.edu/Academics/Degree-Certificates/Radiologic%20Technology/index.html>

Radiologic Technology program is a two-year Associate in Applied Science degree that prepares students to perform diagnostic x-ray examinations for patients in hospitals, imaging centers, physicians' offices and other health-related institutions. The Radiologic Technologist (radiographer) is a member of the health care team who works directly with the patient and the physician who is responsible for accurately positioning patients, manipulating x-ray equipment and ensuring that a high quality diagnostic image is produced.

Radiologic Technologists use x-ray equipment to create images of organs, bones and blood vessels of the body. An x-ray image, or radiograph, is produced when a small amount of radiation passes through a body part and is recorded on film or stored electronically on a computer. They are educated in anatomy, patient positioning, radio-graphic techniques, equipment protocols, radiation safety, radiation protection and basic patient care.

## Working Conditions

Radiologic Technologists may work in a variety of health care facilities, although most are employed in hospitals or major medical centers. Technologists typically work 40-hour weeks that may include evening, weekend, or "on-call" hours dependent upon their employment setting. The Radiologic Technologist provides direct patient care and must be able to obtain the knowledge (cognitive function), skills (psychomotor function), and demonstrate professionalism (affective function). Physical stamina is important in diagnostic imaging because technologists are on their feet for long periods of time and may be required to lift or turn disabled patients. Please refer to the Essential Skills & Abilities of a Radiologic Technologist to determine if you are able to meet these functions with or without reasonable accommodations.

## Employment

With the life expectancy increasing, the demands of an aging population increases the need for health care providers. Employment of Radiologic technologists is expected to increase by about 28% from 2012-2020, faster than the average for all occupations. U.S. Department of Labor, Bureau of Labor Statistics.

## Accreditation/Approval

Carl Sandburg College is accredited through the North Central Association of Colleges and Schools – The Higher Learning Commission, 30 LaSalle Street, Suite 2400, Chicago, IL. 60602-2504.

## Licensure

Graduates are eligible to apply to take the American Registry of Radiologic Technologists A.R.R.T examination for certification in Radiography-RT(R). This certification is nationally recognized and enables the student to pursue employment throughout the United States.

## Admission to the Program: Selective

The Radiologic Technology program has limited enrollment and a selection process for admission into the program. Students must apply and be formally accepted into the program prior to enrolling in any Radiologic Technology courses. Applicants need to refer to the Eligibility & Admission Requirements for this program to determine eligibility criteria and selection process. Student interested in this program must attend a Health Professions Informational Session prior to applying to the program. Students can apply online to the Radiologic Technology

program October 1 - February 1. Online application deadline date is February 1 for Summer enrollment. We notify applicants approximately two weeks after the application deadline date whether or not they have been accepted into the program. Applicants accepted into the Radiologic Technology program must attend the program orientation session.

Program admission is competitive and fulfillment of the basic requirements does not guarantee admission. Class size is limited and is determined by the number of available clinical sites within each community-college district. Participating community college districts (in addition to Carl Sandburg College) include: Black Hawk and Spoon River. Applicants accepted into the program must attend the program orientation session.

Students accepted will be required to possess Healthcare Provider CPR certification throughout the program, show proof of immunizations and required titers, TB test, physical examination, criminal background check, and drug screen. Students are responsible for all fees incurred, in addition to tuition. Please refer to the Radiologic Technology Program Cost Sheet. Please note findings on the criminal background check and drug screen may void conditional admission and prevent entrance to the program. Findings on the physical examination and drug screen may prevent placement at the clinical sites.

## College of Nursing & Health Professions

2400 Tom L. Wilson Blvd.  
Galesburg, IL 61401

## For Additional Information Contact:

The Welcome Center  
Phone: 309-345-3500  
welcomecenter@sandburg.edu

## For Graduation Requirements:

For the graduate requirements see the graduation policies and procedures ([http://catalog.sandburg.edu/academicinformation/#graduation\\_policies\\_and\\_procedures](http://catalog.sandburg.edu/academicinformation/#graduation_policies_and_procedures)) page for details.

## Associate in Applied Science

Course	Title	Semester Hours
<b>First Year</b>		
<b>Summer Session</b>		
ALH.105	Introduction to Patient Care	1.5
RDT.100	Introduction to Radiologic Technology	3
RDT.101	Radiologic Technology Procedures 1	3
<b>Fall Semester</b>		
ENG.101	Freshman Composition 1	3
RDT.110	Rad Tech Physics & Instrumentation 1	3
RDT.111	Radiologic Technology Procedures 2	4.5
RDT.115	Radiologic Technology Practicum 1	3.5
<b>Spring Semester</b>		
RDT.120	Rad Tech Physics and Instrumentation 2	3
RDT.121	Radiologic Technology Procedures 3	4.5
RDT.123	Principles of Radiologic Technology	3
RDT.125	Radiologic Technology Practicum 2	3.5
SOC.203	Introduction to Diversity	3

**Second Year****Summer Session**

RDT.201	Radiologic Technology Procedures 4	2.5
RDT.205	Radiologic Technology Practicum 3	4

**Fall Semester**

RDT.211	Advanced Radiologic Technology Procedure	3
RDT.212	Radiologic Technology Image Critique	3
RDT.215	Radiologic Technology Practicum 4	5
PHL.103	Biomedical Ethics	3

**Spring Semester**

RDT.220	Radiologic Technology Capstone	3
RDT.222	Radiation Biology	2
RDT.225	Radiologic Technology Practicum 5	5
SPE.110	Interpersonal Communication	3
or SPE.120	or Introduction to Public Speaking	

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Total Semester Hours		72
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NOTE: Students enrolled in the Radiologic Technology program must complete all RDT and BIO courses with a grade of "C" or better in order to register for subsequent courses. In order to graduate, each student must complete all required courses with a grade of "C" or better.

**Jackie D. Whipple**

Assistant Professor, Radiologic Technology

**Kristina Gray, RN, MSN**

Interim Dean, College of Nursing & Health Professions

The Radiology Technology program is located in Building C on the Carl Sandburg College Galesburg campus. The program has general classroom space with a radiology technology lab environment for hands-on practice of radiographic techniques, x-ray equipment usage, radiation safety and protection, etc. to prepare the student for their practicum experiences. Practicum experiences for the Radiology Technology program will be gained with hospitals and medical clinics in the Galesburg and surrounding areas such as: Galesburg Cottage Hospital, OSF St. Mary's Medical Center, Methodist Unity Point, Trinity Medical Center, Graham Hospital, OSF Holy Family Medical Center, Hammond Henry Hospital, and Mercer County Hospital.