

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE



SCHOOL OF HEALTH RADIOGRAPHY

Dear Student:

Thank you for your interest in the Radiography Program. Please be informed that in order to be reviewed for acceptance into the program you must submit an application to STCC's Admissions department. This may be done as an intra-college transfer, if you are currently a STCC student. You may also submit an on-line application through the college's website. Students who are matriculating at other colleges, or not active, may also submit an application. Each of the medical imaging specialty programs have a separate application process.

As part of this application process, a visit to one of our affiliate hospitals must be arranged by YOU. It is your responsibility to ensure that transcripts from other schools are received by the STCC Admissions Office, and that all of your records (STCC Admission Record and transcripts from other schools) accompany your application.

An informative session is required before you apply to the program. Please contact the program director for details. Once you have made application to the college's Radiography program, you may call the Admissions Office from time to time to determine if your file is complete. Your application cannot be reviewed or a decision rendered if the file is not complete.

Applicant files are reviewed by the Program Admissions Committee during the spring semester for acceptance to the class starting in the fall semester. Review of applications will begin in March and continue until the program is full.

Anthony Kapadoukakis Ph.D.,RTR
Program Director



THE ROLE OF THE RADIOLOGIC TECHNOLOGIST

Radiography is the art and science of using radiation to produce images of the tissues, organs, bones, and vessels of the body. These images may be recorded on film or may be displayed on a computer monitor. Dynamic images can demonstrate motion of internal organs.

The Radiologic technologists or a radiographer is a member of an allied health profession dedicated to preserving health, diagnosing, and curing disease. Under the direction of a Radiologist, the technologist uses various forms of ionizing radiation to detect and/or treat disease.

The Radiologic Technologist's duties include:

- Operating equipment used to produce medical images
- Caring for the ill and injured
- Positioning patients for diagnostic examinations
- Calculating proper exposure factors
- Processing images and assessing the diagnostic quality of the radiographs.
- Assisting the radiologist with fluoroscopic examinations, treatments with ionizing radiation, diagnostic testing, angiographic procedures, computed tomography, magnetic resonance imaging, mammography, and the use of radioactive isotopes

Radiologic Technologists must be able to routinely:

- Lift more than 50 pounds
- Work with the arms above the head
- Push and pull
- Kneel or squat
- Work standing up
- Perform procedures on patients with health problems
- Assist patients on and off examination tables, wheelchairs, or stretchers
- Communicate effectively with patients and staff
- Accurately align patient, x-ray equipment, and image receptors
- Organize and accurately perform the individual steps of an x-ray examination in sequence
- Work nighttime, weekend, and holiday hours

Radiologic Technologists must be constantly aware of the following occupational hazards:

- Exposure to communicable and infectious diseases
- Exposure to low levels of ionizing radiation
- Exposure to chemicals used in the processing of x-ray film
- Exposure to latex in protective gloves
- Exposure to blood, body fluids, and biomedical hazards

Qualified Radiologic technologists are needed in hospitals, clinics, physicians' offices, industry, and public health. Teachers and managers in Radiologic technology are also in demand. Radiologic technology offers the individual a professional career in allied health with economic security and opportunities for advancement.

DIAGNOSTIC MEDICAL RADIOGRAPHY

Application Deadline March 31st

Minimum Prerequisites:

High School-level Chemistry with a Lab (grade of “C” or better)

College-level Algebra-2 or Math (100 level or higher) (grade of “C” or better)

College-level Biology with a Lab (grade of “C” or better)

College-level English (100-level or higher) (grade of “C” or better)

College-level Medical Terminology (grade of “C” or better)

Informative session prior to application

Minimum of four hours documented observation in a hospital Radiology department

A short (one-page) essay stating why you want to be a Radiographer

If a student has not taken the above courses or has earned less than a “C”, the following STCC courses will meet the academic prerequisites and are recommended:

Chemistry:	CHEM-101	Math:	MATH-097-STCC MATH-100+ Other Colleges
Biology:	BIOL-132	Medical Terminology:	MAST-101

Notes about prerequisites:

Prerequisites must be **completed** or **in progress** by the application deadline of March 31st

In-progress prerequisites must have mid-term grades attached to the application by March 31st

SAT scores are optional

DIAGNOSTIC MEDICAL RADIOGRAPHY DEGREE PROGRAM

Additional Program Information

(revised May 2007)

The admissions process is very competitive, with at least 100 applicants for the twenty places available every fall. Applications are accepted beginning in the fall for the next fall. There is no waiting list that carries over from year to year. If a student is not accepted for a given fall, they must reapply to be considered for the following year. The application deadline is March 31st for the following fall. All prerequisites must be completed by the deadline date or be in progress with mid-term grades available in your application folder in the Admissions Office.

This is a two-year (including summer semesters) full-time day program that must be completed in a sequential manner. There is no availability of part-time, evening, or weekend components. There are clinical internships at area hospitals that may require driving as far as Baystate to the Berkshires to the west, so reliable transportation is a must. Clinical rotations are assigned and not chosen by the student.



TECHNICAL STANDARDS:

The Radiography student must be able to meet the following technical standards:

- Lift and carry up to five radiographic cassettes which weigh from two to six pounds each. Also, lift, move and push heavy equipment such as portable fluoroscopic (C-ARM) machines.
- Reach and adjust the x-ray tube, which is at a height of 72-80 inches from the floor.
- Assist in lifting injured or incapacitated patients to the x-ray table from stretchers or wheelchairs.
- Give clear verbal commands to patients who are positioned for radiographic examinations at distances of 10-15 feet from the control area.
- Not be highly allergic to developer or fixer chemicals, or to radiographic contrast media.
- Sight corrected with devices so as to be able to read and adjust the x-ray control panel.
- Correctly position the patient. This includes seeing positioning lights on a tube. Also, distinguish gray-scale changes for the purposes of radiographic film quality.
- Hearing must be corrected, so as to be able to hear the patient at a distance of 10 15 feet. Also, hear faint audible signals such as low sounding buzzers to determine and recognize dysfunctional equipment.
- Capable of exercising independent judgment and discretion in the safe technical performance of medical imaging procedures.
- Not be physically dependent on non-prescribed drugs.

ENVIRONMENTAL REQUIREMENTS:

The work involves risks or discomforts that require special safety precautions, additional safety education and health risk monitoring (i.e., ionizing radiation, darkroom chemicals), working with needles and syringes, chemicals), working with needles and syringes, chemicals and infectious disease. Students also will be required to use protective clothing or gear such as masks, goggles, gloves and lead aprons.



TECHNICAL STANDARDS:

Although these standards are not used in the admissions process, a radiography student should know that they must be able to meet the following minimum technical standards to work in the field.

**Programmatic Technical Standards
(Radiography)**

The above listing has been prepared to assist you in understanding the technical standards of the **Radiography** program in order to affiliate in the clinical agencies and ultimately practice the profession. The technical standards as stated here **are not** conditions of admission to a program of study. Rather, they reflect performance abilities that are necessary for a student to successfully complete the requirements of specified health programs. It should be noted that under the Americans with Disabilities Act “A qualified person with a disability is one who can perform the essential function of a job with or without reasonable accommodation.”

PLEASE NOTE THAT YOU ARE REQUIRED TO COMPLETE ALL OF THE INFORMATION BELOW AND RETURN THIS COVER SHEET TO THE DAY ADMISSIONS OFFICE PRIOR TO THE FIRST DAY OF CLASSES. This indicates that you have read and understand the Technical Standards established for the program you are enrolling in. You should keep the attached listing of Technical Standards for your reference.

Print Name

_____/_____/_____
SS#

Signature

Date



HOSPITAL SITE VISIT

Dear Student:

As part of the interview/application process to the Radiography Program, prospective students must visit a radiology department in one of our hospital facilities.

Attached is a list of those facilities. To make arrangements for the site visit, call the chief clinical instructor listed at the facility of your choice to set up a time for your visit. Our sites are more than happy to have you visit as you may be a prospective student and, later, a prospective employee. During your visit at the hospital, you will be able to observe what radiographers do, talk to practicing radiographers about the field, and observe technologist/patient interactions. You may also ask to observe some imaging areas such as CT (Computed Tomography) and MRI (Magnetic Resonance Imaging) as these are advanced scanning techniques for radiographers who have additional training and certification. This mandatory visit must be scheduled for a minimum of four hours. When your visit is over, have one of the facility's clinical instructors sign the reverse side of this form. It should then be brought or mailed to the STCC's Admissions department and will be placed with your Radiography application.

Thank you for your interest in Radiography and enjoy your visit to the radiology department. I have read about and or researched the patient bill of rights, patient confidentiality concerns and the responsibilities of healthcare workers, as well as, students to maintain patient personal information, condition, prognosis and all observed about patient as private and privileged information. This will remain strictly confidential from my perspective on my behalf. The Health Insurance Portability and Accountability Act of 1996 (HIPPA) enforcement will also be upheld by me.

Signature

Printed Name/

Date

NOTE: Please wear clothing appropriate to the hospital- i.e., slacks or scrubs. NO shorts, tank tops or flip-flops, etc.



**SPRINGFIELD TECHNICAL COMMUNITY COLLEGE
RADIOGRAPHY
PROGRAM
PRE-ADMITTANCE SITE VISIT**

_____ has spent 4 hours in observation at
(Applicants Name)

Baystate Health Berkshire Health Wing Memorial Other
System Systems

(Facility)

(Facility Representative)

(Date)

I have read about and or researched the patient bill of rights, patient confidentiality concerns and the responsibilities of healthcare workers as well as students to maintain patient personal information, condition, prognosis and all observed about patient as private and privileged information. This will remain strictly confidential from my perspective on my behalf. The Health Insurance Portability and Accountability Act of 1996 (HIPPA) enforcement will also be upheld by me.

Signature

Printed Name/ Date



SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

RADIOGRAPHY PROGRAM AFFILIATES

AFFILIATE

CONTACTS

BAYSTATE HEALTH SYSTEM
759 Chestnut Street
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LAURIE WHITTAKER, A.S., R.T.(R)
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Chief Clinical Instructor
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WING MEMORIAL HOSPITAL
Wright Street
Palmer, MA 01069

ROXANE RAMOS, A.S., R.T.(R)
Chief Clinical Instructor
(413) 284-5241

SHRINERS HOSPITAL FOR CHILDREN
516 Carew Street
Springfield, MA 01104

DOREEN ALVARO, A.S., R.T.(R)
Chief Clinical Instructor
(413) 735-1240



SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

RADIOGRAPHY PROGRAM CURRICULUM

- The Applicant's Letter (Personal Statement)
- The applicant's letter is a requirement in the Radiography Program admission process and is extremely important as it helps the committee to know and understand the applicant better.
- The letter must be typed (word processed), and no longer than two pages in length.
- The letter will be graded on the following criteria:
 - a. Knowledge of radiography
 - b. Reasons for entering the program and future goals
 - c. Experiences in the military, Peace Corp etc.
 - d. Health care experiences
 - e. Other relevant experiences
 - f. Grammar, spelling, organization etc.

This letter should accompany the program application. However, it is strongly recommended that neither document be submitted until the applicant has completed the required four-hour imaging department observation visit. Additionally, in fulfilling the criteria please draw on as many personal experiences as you can, and good luck in the application process.

Prior to the March 31st deadline, it is the applying student's responsibility to ensure each of the following are in the applicant's application packet in the main Radiography Program Admissions Office:

- a. Application completed and submitted
- b. Copies of all courses/grade transcripts
- c. Proof of clinical affiliate hospital site visit
- d. Pre-admissions counseling session with the Radiology program director
- e. One-two page applicant letter submitted

Semester 4

BIOL-340	SECTIONAL ANATOMY	3
RADG-418	RADIATION PROTECTION AND BIOLOGY	2
RADG-413	SEMINAR/QUALITY CONTROL	3
RADG-415	CLINICAL PRACTICUM 4	3
ENGL-200	ENGLISH COMPOSITION 2: AN INTRODUCTION TO LITERATURE	3

Semester 4S (Summer)

RADG-416	CLINICAL PRACTICUM 5 (7 WEEKS)	5
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Notes:

General Psychology (PSYC-100) or Introduction to Sociology (SOCL-100).

Upon successful completion of the requirements of the program, the degree of **Associate in Science in Diagnostic Medical Imaging (AS. DMI)** will be awarded.