

HENRY FORD PROVIDENCE SOUTHFIELD HOSPITAL

COMPUTED TOMOGRAPHY (CT) TRAINING PROGRAM rev. 10/24

GENERAL INFORMATION

HF Providence Southfield Hospital is a part of the Henry Ford Health System. HF Providence Southfield Hospital is located in Southfield, MI. We are dedicated to making a positive difference in the lives and health status of individuals and communities, especially the poor.

HF Providence Southfield Hospital is a full-service, acute care, teaching hospital with 459 beds and more than 900 physicians practicing in over 50 specialties.

The Diagnostic Imaging Department of HF Providence Southfield Hospital is a modern multiple modality imaging facility. This includes diagnostic radiography, mammography, ultrasonography, nuclear medicine, computerized tomography, magnetic resonance imaging, angiography, cardiac catheterization, and radiation oncology. Constantly striving to be a technological leader, the Diagnostic Imaging Department employs many new innovations including 2- 128-Slice images in CT scan.

MISSION STATEMENT

Our mission is to provide each student with an educational opportunity that will improve their technical skills. Through goal-setting and achievement, the students will challenge themselves toward excellence in patient care with the radiological sciences.

PROGRAM GOALS

To produce didactically and clinically competent entry-level CT technologists.
Graduates who are considered employable in the field of CT.

EQUAL OPPORTUNITY STATEMENT

Qualified applicants are considered for admission to the HF Providence Southfield Hospital School of Computed Tomography without regard to race, color, religion, sex, heights, weight, national origin, age, sexual preference, arrest record, marital or veteran status, or the presence of non-job related medical condition or disability. It is the applicant's responsibility to notify us of any reasonable accommodation necessary to perform the essential duties of the position for which the applicant has applied.

CAREER DESCRIPTION

Computed Tomography (CT) or sometimes referred to as CAT scan, is a medical imaging method employing tomography where digital processing is used to generate a three-dimensional image of the internals of an object from a large series of two-dimensional X-ray images taken around a single axis of rotation. It is primarily used to demonstrate pathological or other physiological alterations of living tissues and is a commonly used form of medical imaging. Those in the profession apply their knowledge of cross-sectional anatomy, physiology, imaging, and physics while performing their duties. They must be able to communicate effectively with patients, other health care professionals and the public. Additional duties may include screening patients prior to exams to maintain a safe environment for all, and education of the public regarding specific

imaging procedures. The technologist displays personal attributes of compassion, competence and concern in meeting the special needs of the patient. Cat Scan technologists are employed by hospitals, specialized imaging centers, private physician's offices, industry, and as educators.

COURSE OF STUDY

The post-graduate CT Scan program is a 6-month course consisting of competency-based clinical education. The curriculum is approved by the American Society of Radiologic Technologists. The course is a 40-hour school week, 4 - 10 hour days, Monday-Thursday, 7:00 am to 5:00 pm to allow for maximum opportunity for viewing different exams.

During the program, you will be able to utilize a variety of equipment including: 2- 128 slice scanners, a scanner that does 3D reconstruction, and a 64-slice CT scanner. You will be able to participate in a wide variety of clinical situations from post-trauma patients, biopsy patients, in-and out-patients.

One class is enrolled every six months, starting in October and April. Cost for the program is \$2,500 which does not include books required for the program.

CANDIDATE QUALIFICATIONS

Individuals who have graduated from an accredited radiologic technology program, and who are in good standing with the ARRT with proper RT(R) certification may apply for possible entry in the program. Registry eligible students may apply, but must pass the registry prior to starting the program. An interview is required, during which candidates are evaluated on:

- Personal impression
- Work Experience
- Interpersonal Skills
- Educational Background*

Educational background will allow for those applicants who have taken advanced levels of Physics, Chemistry, Anatomy and Physiology, and Mathematics to increase their academic score. These values will be determined by reviewing college and/or high school transcripts. A grade of C or better is required to receive credit for the class with classes having been taken in the previous 7 years preferred.

WHAT ASCENSION PROVIDENCE EXPECTS OF YOU

- Regular attendance and completion of all clinical competencies.
- Maintenance of a minimum clinical grade point average of 90% per twelve-week semester.
- Agreement to abide by the policies and procedures of the Computed Tomography training program.

WHAT YOU CAN EXPECT FROM ASCENSION PROVIDENCE

Upon successful completion of all course requirements, you will receive a certificate of graduation for the HF Providence Southfield Hospital Computed Tomography training program. You will be clinically prepared and able to challenge the national certification examination given by the ARRT.

WHAT YOUR FUTURE HOLDS

Certification as a Registered CT technologist, with successful completion of the ARRT, you will be authorized to use the title RT(R)(CT) after your name.

PROSPECTIVE APPLICANT PROCEDURE:

Submit the completed application and technical standard survey, along with a \$40 application fee. Deadline is June 1st of each year. Two consecutive sessions are filled per year; one session begins in October, and the other in April.

Have your learning institutions submit official transcripts of all your college, radiologic technology school grades.

Have **three** letters of professional recommendation sent to the program; one from a CT technologist.

Address all communications to:

**HF Providence Southfield Hospital
Mary A. Kleven, MAOM, B.S.(R)(M)
Program Director
School of Radiologic Technology- CT Program
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HF Providence Southfield Hospital
SCHOOL OF RADIOLOGIC TECHNOLOGY

TECHNICAL STANDARDS SURVEY *rev. 3/24*

All applicants to the School of Radiologic Technology are notified of the minimum physical requirements appropriate to radiologic technology. The inability to perform any of the listed activities indicates a reduced chance of successful completion of the program, or employment in this profession. In such a case, it is recommended that the student not enter the radiography program.

Please read the following statements identifying the technical standards and answer the question provided below. This form is to be returned by the candidate along with the completed application.

The Computed Tomography technologist must have sufficient strength and motor coordination required to perform the following physical activities:

- Standing/walking or sitting during most of the clinical training.
- Frequent reaching and manual dexterity in handling accessory equipment for diagnostic purposes. (lift a minimum of 30 pounds)
- Frequently transporting, moving, lifting and transferring patients from a wheelchair or stretcher to and from a radiographic table.
- Possess normal visual and audio acuity. This is necessary to report visual observations of patients and read written orders. Hearing must be adequate to assess patient needs and communicate verbally with other health care providers.
- Possess sufficient verbal and written skills to communicate needs promptly and effectively in English.

Are you able to perform all of the technical standards identified above with or without reasonable accommodations?

YES _____

NO _____

Signature of Applicant

Date

HF Providence Southfield Hospital

Magnetic Resonance Screening Form for Students

Magnetic resonance (MR) is a medical imaging system in the radiology department that uses a magnetic field and radio waves.

This magnetic field could potentially be hazardous to students entering the environment if they have specific metallic, electronic, magnetic, and/or mechanical devices. Because of this, students must be screened to identify any potential hazards of entering the magnetic resonance environment before beginning clinical rotations.

Pregnancy Notice: The declared pregnant student who continues to work in and around the MR environment should not remain within the MR scanner room or Zone IV during actual data acquisition or scanning.

Name: _____ Date: _____

	Circle Yes or No	
1. Have you had prior surgery or an operation of any kind?	Yes	No
If yes to question 1, please indicate the date and type of surgery: Date: _____ Surgery Type: _____		
2. Have you had an injury to the eye involving a metallic object (e.g. metallic slivers, foreign body)?	Yes	No
If yes to question 2, please describe: _____		
3. Have you ever been injured by a metallic object or foreign body (e.g., BB, bullet, shrapnel, etc.)?	Yes	No
If yes to question 3, please describe: _____		
Please indicate if you have any of the following:		
Aneurysm clip(s)	Yes	No
Cardiac pacemaker	Yes	No
Implanted cardioverter defibrillator (ICD)	Yes	No
Electronic implant or device	Yes	No
Magnetically-activated implant or device	Yes	No
Neurostimulator system	Yes	No
Spinal cord stimulator	Yes	No
Cochlear implant or implanted hearing aid	Yes	No
Insulin or infusion pump	Yes	No
Implanted drug infusion device	Yes	No
Any type of prosthesis or implant	Yes	No
Artificial or prosthetic limb	Yes	No
Any metallic fragment or foreign body	Yes	No
Any external or internal metallic object	Yes	No
Hearing aid	Yes	No
Other device: _____	Yes	No

I attest that the above information is correct to the best of my knowledge. I have read and understand the entire contents of this form and have had the opportunity to ask questions regarding the information on this form. Should any of this information change, I will inform my program director.

Signature of Person Completing Form: _____ Date ____/____/____

The student has not identified any contraindications to entering MR Zone III or IV.

The student has identified contraindications to entering MR Zones III and IV. The student has been advised not to progress past MR Zone II unless screened by an MR Level II Technologist onsite at each clinical setting.

Form Information Reviewed By: _____
Print name
Signature
Title

This form is provided by the JRCERT as a resource for programs. Programs are encouraged to personalize the form prior to use.

Remember: The magnet is always on!