

# **CAT SCAN TRAINING PROGRAM**

## **GENERAL INFORMATION**

Providence Hospital is a part of the St. John Health System. Providence Hospital is located in Southfield, MI with the other members of the St. John Health System located throughout South-Eastern MI. We are dedicated to making a positive difference in the lives and health status of individuals and communities, especially the poor.

Providence 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 Providence 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 a new 3T magnet in MRI, and 2- 64-Slice images in CAT 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 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 Providence Hospital School of Computed Tomography without regard to race, color, religion, sex, height, 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 Computed Axial Tomography, 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 Cat 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, 10- hour days, Monday-Friday, 7:00 am to 5:00 pm, to allow for maximum opportunity for viewing exams.

During the program, you will be able to utilize a variety of equipment including 2- 64-slice scanner, a scanner that does 3D reconstruction, and a 4-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 September. Cost for the program is \$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 within three months of entry in 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 whom have taken advance 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 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 PROVIDENCE**

Upon successful completion of all course requirements, you will receive a certificate of graduation for the Providence Hospital Computed Tomography training program.  
You will be clinically prepared 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 1<sup>st</sup> for the October, and December 1<sup>st</sup> for the April start, of each year.

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.

Address all communications to:

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