

Allied Health Radiologic Technology

A radiologic technologist plays an important role in the diagnosis of disease. As a radiologic technologist, you will use x-rays to create images for the diagnosis of broken bones, ulcers, tumors and many other medical conditions. This field integrates anatomy, physiology, physics and chemistry with health care. You will work with physicians and other health care professionals as part of a diagnostic team to identify patient problems. You will also have the option of using your specialized knowledge in sales, research and management positions.

The Radiologic Technology Program is accredited by the Joint Review Commission on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 900, Chicago, IL 60606-2901. The telephone number is (312) 704-5300.

You'll Learn

- To use sophisticated equipment for patient diagnosis
- How to manage patients during radiographic imaging
- Skill development for the completion of a variety of complex imaging techniques
- The subject matter covered on examinations required to become a registered radiologic technologist
- Additional knowledge, skills and abilities essential to your success on the job

You'll Earn

- An excellent salary usually starting at \$42,000 per year or higher
- The opportunity for a flexible work schedule part- or full-time, shift or weekend
- A choice of work environments including private offices, hospitals, health clinics, industrial settings and health care facilities
- Excellent potential for career advancement, especially with additional education
- A career with high demand in the job market

You'll Succeed

- More than half of all new jobs created require education beyond high school.
- Employees with degrees have better chances for promotion.
- Associate degree holders generally earn 30 percent more than high school graduates (according to the U.S. Department of Commerce, Census Bureau).
- College credit or advanced placement may be given for relevant work experience.
- Many credits from an associate degree can be applied toward a bachelor's degree.

Get in, Get smart, Get going. . .

Delaware Tech operates on a semester system with new sessions in late August and mid-January, plus summer sessions beginning at the end of May and in mid-June. Non-technology courses may be taken on a part-time or full-time basis during any semester or the summer session. Some students may need refresher courses at the basic or pre-tech level; others may receive transfer credit for prior educational experiences. Counselors and advisors are available to help you schedule your courses.

Allied Health technology programs have a selective admission process which includes academic criteria of an algebra, biology and chemistry course at 2.0 or greater (high school or college) within the past five years and a GPA of 2.0 or greater. The prerequisite course noted below is a requirement for this specific program. Technology courses are sequential, offered only one time per year and are only open to students who have been admitted into the technology program. Through the selective admissions process, radiologic technology students are chosen for the May and August program start dates.

People interested in entering Radiologic Technology must attend an Allied Health Information Session prior to initiating the process for admission into the technology. Information regarding these sessions may be obtained by calling (302) 888-5288. Visit the Allied Health Web site at www.dtcc.edu/wilmington/ah.

PROGRAM PREREQUISITE

General Chemistry (CHM 110) within the last five years.

TECHNICAL COURSES

Intro to Patient Care and Radiography provides the student with in-depth patient care knowledge and skills; and an introduction to the radiologic technology and radiation protection.

Radiographic Procedures I teaches standard radiographic procedures including chest, abdomen, upper extremities, lower extremities, UGI, small bowel, and barium enema.

Radiographic Procedures II teaches students to perform spine, bony thorax, portable radiography, trauma procedures, OR/Image Intensification, urinary and biliary procedures.

Radiographic Procedures III teaches students to perform skull, facial bones, myelography, sialography, venography, pelvimetry/fetogram, arthrogram, bronchogram and lymphangiogram.

Radiographic Procedures IV presents temporal bone radiography, pediatric applications, angiography, computer tomography, magnetic resonance imaging, ultrasound, nuclear medicine, radiation therapy and cardiac catheterization.

Radiographic Imaging Equipment studies equipment routinely utilized to produce diagnostic images.

Processing and Quality Assurance covers basic radiographic darkroom procedures, developing solution analysis, manual versus automatic processing, and equipment quality tests.

Radiographic Exposure I presents an overview of radiography and its role in health care delivery, and covers physical properties governing x-rays, beam characteristics, x-ray production and basic imaging.

Radiographic Exposure II studies the factors that govern and influence the production of the radiographic image on film.

Clinical Radiography I, II, III, IV and V provide exposure to the practice of Radiography in various radiology departments, while developing and refining skills in patient management, equipment manipulation, positioning, technique manipulation and film evaluation.

Radiographic Pathology introduces the concepts of disease and pathology as it relates to radiographic procedures.

Radiation Protection & Biology presents an overview of radiation protection for the radiographer, patients, other personnel and the public.

SUPPORT COURSES

Composition

Oral Communication

College Math & Statistics

Anatomy & Physiology I, II

Medical Terminology

Ethical Issues in Health Care

General Psychology

TO APPLY FOR ADMISSION TO THE COLLEGE

1. Obtain an admission application by calling (302) 888-5288. Admission applications are also available online at www.dtcc.edu/all/forms/. Complete and return the application to the Wilmington campus with a \$10 fee.
2. Request that your high school and/or college transcripts be sent to the Admissions Office.
3. Arrange to take the Computerized Placement Test (CPT) *unless you have already completed college-level math and English courses with a "C" grade or better*. The CPT is administered by the Admissions Office (302) 454-3954 and is used to determine appropriate course placement.
4. Meet with a Delaware Tech counselor to discuss your CPT results and select your course schedule.
5. Remember to apply and register early for the best selection of courses.