Delaware Technical Community College

Radiologic Technology Open House

November 3, 2016
10:30 a.m. - 1:00 p.m

Arts & Science Center
Room 311

Jack F. Owens Campus · Georgetown, Delaware

Radiologic Technology Program, Delaware Technical Community College

The Radiologic Technology Program provides comprehensive, educational experiences that enable qualified students to acquire the knowledge, skills, and behaviors necessary to be eligible for certification and employment as radiologic technologists. The program's curriculum practices promote the health, safety, and optimal use of radiation for students, patients, and the general public.

For more information, visit dtcc.edu/academics/programs-study/radiologic-technology.

Program

WELCOME & REMARKS

Dr. Mark T. Brainard
President
Delaware Technical Community College

REMARKS & PROCLAMATION

The Honorable Jack A. Markell
Governor

REMARKS

Dr. Frances S. Esposito
Chairman
Authority on Radiation Protection

REMARKS

Lionel Harris
Radiologic Technology student
Delaware Technical Community College

REMARKS

Dr. Karyl T. Rattay, MD, MS
Director
Division of Public Health
Delaware Health and Social Services

CLOSING REMARKS

Dr. Bobbi Barends
Dean of Instruction
Delaware Tech Owens Campus

There will be refreshments, tours, and student demonstrations of equipment and procedures immediately following the program.

Student Demonstrations

Room 311

Station 1: Trauma Radiography

- View images of traumatic injuries
- Learn about fracture classifications

Station 2: Positioning for Radiologic Procedures

- Hands-on with the energized lab equipment
- Spin the procedure wheel and take an X-ray!

Station 3: C-Arm Demonstration

- C-arm procedures
- Sterile technique
- Equipment features

Room 310

Station 4: History and Equipment

- Discovery of X-rays
- Evolution of radiologic technology
- X-ray tube components

Station 5: Radiation Safety

- Protection from ionizing radiation
- Radiation principles: time, distance, & shielding

Station 6: Mobile Radiography

- Equipment features
- Patient and IR positioning for mobile chest

Station 7: Fluoroscopy

- Procedures requiring the use fluoroscopy
- Images acquired with fluoroscopy
- Use of contrast media for various procedures

Delaware Tech Owens Campus Radiologic Technology Class of 2017

Chelsea Allison
Frederick Applegate
Abigail Aubrey
Lori-el Byers
Kara Carmean
Alex Conway
Sara Desler
Hailey Fairchild
Lionel Harris
Shannon Martinez
Devon Matthews
Lauren Mullaney
Jennifer Perez
Tiffany Raines
Katelyn Roberts
Rebecca Shields
Allyson Slavin

Radiologic Health and Safety Organizations

Delaware Office of Radiation Control

Based within the Division of Public Health, the Office of Radiation Control protects the health and safety of Delawareans by regulating the use of ionizing radiation in medicine, industry, research, and education, and partners with other agencies to provide health protection resources in the event of a radiological emergency. This office registers radiation facilities and specialized vendors, inspects radiation machine facilities, and issues professional certification to qualifying medical and dental radiation technologists and technicians. For more information, visit dhss.delaware.gov/dhss/dph/hsp/org.

Delaware Authority on Radiation Protection

The Delaware Authority on Radiation Protection protects the health and safety of Delawareans by providing regulatory oversight of ionizing radiation sources used in Delaware, encouraging constructive uses of radiation, preventing exposure to radiation that may be detrimental to health, and facilitating greater understanding of natural and human generated radiation in the world. For more information, visit deradiationprotection.org.

Timeline

1895 - Wilhelm Conrad Roentgen discovers a "new kind of ray" that penetrates into the body and X-rays are officially created.

1913 - Following the deaths of many early radiologists, the German Roentgen Society provides guidelines to reduce the danger of radiation to medical workers.

1927 - U.S. National Bureau of Standards begins a voluntary program sending government representatives into laboratories to evaluate safety of radiation sources.

1928 - The International Council on Radiation Protection holds a formative meeting, encouraging each country represented to develop a program of radiation control.

1964 - The U.S. National Council on Radiation Protection is chartered as an advisory body by Congress to develop guidelines to protect individuals and the public from excessive exposure to radiation.

1968 - The State of Delaware passes the Radiation Control Act, which continues today as Title 16, Delaware Code, Chapter 74, Radiation Control.

1969 - State radiation control regulations are adopted (effective 1970).

1970 - The Delaware Office of Radiation Control is established.

1972 - The first computed tomography (CT) medical procedure is developed, initiating decades of advances in diagnostic and therapeutic imaging technologies.

1976 - The Delaware Authority on Radiation Protection is established as a public board to provide regulatory oversight with members appointed by the governor.

1986 - The Radiologic Technology Program at Delaware Technical Community College's Owens Campus begins in August.

Delaware Technical Community College

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Delivering Excellence, Changing Lives

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