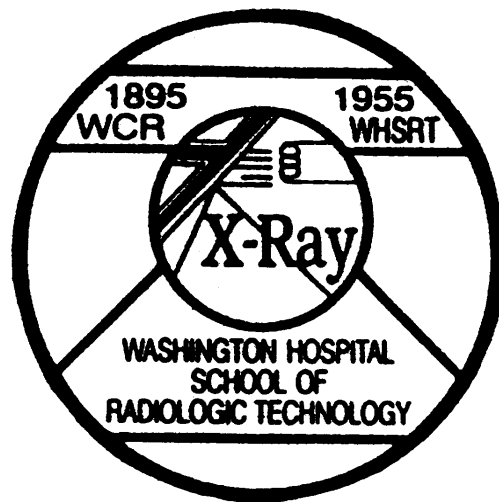


*School  
Of  
Radiologic  
Technology*



 **THE WASHINGTON HOSPITAL**

[www.washingtonhospital.org](http://www.washingtonhospital.org)

2012 Brochure

**The Washington Hospital Radiologic Technology Program is  
accredited by:**

**The Joint Review Committee on Education in  
Radiologic Technology**

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# The Washington Hospital

First interest in a hospital for Washington began in the early 1880s, and a house on North College Street became the first hospital. This first venture, however, was short-lived, and it was not until 1897 that The Washington Hospital was successfully launched.

The A. W. Acheson Homestead on Acheson Avenue was secured and altered to care for 20 patients and opened to the public in May 1898. In 1906 a new hospital movement was started, and the City Hospital Association was chartered. A new building was erected and opened in April 1907. The Washington and the City Hospitals were consolidated in 1921 when the two merged to become The Washington Hospital.

The need for a larger, more modern hospital was felt as the years passed, and the Wilson Development Company donated seven acres of land on the north edge of the city for a new building, which was erected and opened to the public in March 1927.

In 1984, the Board of Trustees approved development of Neighbor Health Center, housing a day surgery facility, outpatient radiology, laboratory, and EKG services, as well as the Family Practice Center and the Women's Imaging Center, located at 95 Leonard Avenue. In 1985-86, a master facility plan was developed to take the hospital into the 21st century. Construction of our Cancer Treatment Center, along with a new parking lot, new surgical suites and critical care units, and renovation or relocation of many hospital departments, began in 1987.

One of the latest services instituted by The Washington Hospital has been open-heart surgery. The hospital is the only hospital in Pennsylvania south of Pittsburgh offering this service.

A patient tower was part of the hospital's construction project. The tower consists of patient floors and includes a medical/surgical, oncology nursing unit; a unit for expanded cardiac services; and a special women's services unit with emphasis on maternity care. A helipad is on the top of the tower. Recent developments include the Wilfred R. Cameron Wellness Center of The Washington Hospital, Strabane Woods of Washington Assisted Living, and Donnell House, a residential hospice.

Expansion of the facility to include a new emergency department, surgical suites, and critical care unit was completed in 2009.

The hospital continues to grow and to enrich its services to the community by meeting the community's needs and offering quality care.



## ***The Washington Hospital Radiologic Technology Program***

The Washington Hospital Radiologic Technology Program has been accredited since March 1957 by the Committee on Allied Health Education and Accreditation (CAHEA) in cooperation with the Joint Review Committee on Education in Radiologic Technology (JRCERT).

In 1994, the Joint Review Committee was recognized by the U.S. Department of Education as the accrediting body for radiography programs.

It is a co-educational program offering educational facilities in a clinical radiology department and off-site facilities, which performs over 180,000 examinations per year.

The clinical component of the program includes some evening and weekend rotations. The Washington Hospital off-site facilities are within a 30 mile radius of the hospital.

The educational program begins in September and runs for 24 months with seven weeks vacation during the course. Total enrollment is limited to a maximum of 30 students (15 senior students and 15 junior students).

Qualified applicants will be admitted to the Radiologic Technology Program without regard to race, color, religion, age, gender, national origin, sexual preference, disability, or any other protected class. Notwithstanding this statement, a disability cannot interfere with the normal duties of a radiographer, including:

- ◆ Assisting a patient from stretcher/wheelchair to the x-ray table
- ◆ Moving the x-ray tube assembly in all directions
- ◆ Placing a cassette in the bucky tray and removing it from the tray
- ◆ Lifting a 25-pound object
- ◆ Reading requisitions/orders with extreme accuracy
- ◆ Observing a patient's respiration at a distance of 10 feet
- ◆ Hearing a patient's request within a radiographic room

## **Mission Statement**

The mission of the Radiologic Technology program, in conjunction with the mission of The Washington Hospital, is to provide an academic and clinical education program in radiologic technology. This will enable students to become skilled radiologic technologists who will apply their knowledge and skills in a team approach to the delivery of health care. The program will instill in each student the moral and ethical values to enable them to offer a high quality of care while preserving each patient's dignity as a unique individual. The program provides services to all students without regard to race, color, religion, age, gender, national origin, sexual preference, disability, or any other protected class.

## **Program Goals**

The goals of The Washington Hospital Radiologic Technology Program are to develop competent entry-level radiographers able to function within the healthcare community.

### **Goal 1**

#### **Students will be technically competent.**

Student learning outcomes:

- ◆ Students will apply positioning skills
- ◆ Students will select technical factors
- ◆ Students will utilize radiation protection

### **Goal 2**

#### **Students will demonstrate communication skills**

Student learning outcomes:

- ◆ Students will demonstrate oral communication skills
- ◆ Students will demonstrate written communication skills

### **Goal 3**

#### **Students will develop critical thinking skills.**

Student learning outcomes:

- ◆ Students will adapt standard procedures for non-routine patients
- ◆ Students will critique images to determine diagnostic quality

### **Goal 4**

#### **Students will model professionalism**

Student learning outcomes:

- ◆ Students will demonstrate work ethics
- ◆ Students will summarize the value of life-long learning

## Admission Requirements

1. Minimum age of eighteen (18) on/or before December 31 of the year for which application is made. High school graduate or equivalent.
2. Applicants must successfully complete 15 college credits (C or better) of general education (course numbers 100 or higher) at a regionally accredited college or university prior to enrollment. The general education courses are to include the following academic courses:
  - ◆ Medical Terminology -
  - ◆ Mathematic (i.e.: Algebra)
  - ◆ Written or oral communications
  - ◆ Humanities (i.e.: Ethics) or a Computer course
  - ◆ Social/Behavior Science (i.e.: Cultural Diversity, Psychology, Sociology)
3. Applicants will be required to (1) complete an application for evaluation, (2) submit three references, and (3) arrange to have official high school and college transcripts forwarded to the program.
4. All applicants must contact the program office to take a pre-entrance exam, and should obtain a minimum composite percentile of 60. The non-refundable administrative fee for this exam is \$30.00, and is payable to SRT Student Council prior to the day of the examination. A raw score of 60 is required for further consideration.
5. Applicants who are offered enrollment must have a health history, physical, negative drug screen, Act 33 (Child Abuse Clearance), Act 34 (Criminal Background Check), and Act 73 (FBI Fingerprint Clearance) prior to final acceptance into the program indicating that they are in good health with no physical or mental limitations which would endanger patients and other hospital personnel or interfere with the performance of a radiographer's duties. Out of state residents must obtain appropriate records from their home state. The sponsor provides the drug screen but the individual assumes the cost for the required clearances and physical.

## Application Procedure

1. Applications may be completed on-line or obtained by writing to:

**Radiologic Technology Program  
The Washington Hospital  
155 Wilson Avenue  
Washington, Pennsylvania 15301**

or emailing

[kwilliams@washingtonhospital.org](mailto:kwilliams@washingtonhospital.org)  
[rannarumo@washingtonhospital.org](mailto:rannarumo@washingtonhospital.org)  
[kpolitan@washingtonhospital.org](mailto:kpolitan@washingtonhospital.org)

Completed applications should be returned to the same address, accompanied by a **\$25.00 non-refundable application fee**. Make checks/money orders payable to The Washington Hospital.

2. The School of Radiologic Technology will consider only completed application files. Application files consist of the following:
  - Completed application and application fee
  - Official academic transcripts from high school and all post-secondary schools attended
  - Pre-entrance exam score
  - Three (3) academic/professional reference forms
3. The program reserves the right to require additional information, examinations, or measures of determined eligibility as may be prescribed by the Admissions Committee.

## **Selection Procedure**

1. Point values will be assigned to academic performance and to test performance.
2. Applicants in the upper third of the total point values will then be scheduled for a personal interview, a technical standards evaluation, and a tour of the Radiology Department.
3. The program's Admission Committee makes class selection from the applicants interviewed.

## **Academic Policies**

### **◆ Conduct:**

1. Students will assume, at all times, a professional manner and demonstrate these attitudes to all persons with whom they come in contact during the performance of their duties.
2. The student shall observe all the safety, accident, and fire procedures established by The Washington Hospital, federal and state laws, and standards by those organizations who accredit the program.

### **◆ General Probation:**

A probationary period of six months is required of all students. If during this time the student is found unsuitable for this specific profession, he or she will be notified of pending dismissal action.

◆ **Attendance, Personal Time Off, and Vacation**

1. Students are scheduled to spend a maximum of 40 hours per week in the academic and clinical phases of the program.
2. Eighty hours of personal time off per year is allotted to the student radiographer. Students will be required to make up time in excess of the 80 hours per year on vacation or after graduation.
3. Eight weeks of vacation is granted during the 24 month program..

◆ **Grading System:**

**1. Academic progress is rated on the following scale:**

<u>Percent</u>	<u>Letter Grade</u>	<u>Quality Points</u>
100 - 90	A	4
89 - 80	B	3
79 - 70	C	2
69 - 60	D	1
59 - 0	F	0

Satisfactory academic progress requires a grade of C or better in each course and a 2.50 quality point average to be maintained each term.

**2. Clinical progress is rated on the following scale:**

<u>Points</u>	<u>Letter Grade</u>	<u>Quality Points</u>
100 - 92	A	4
91 - 86	B	3
85 - 74	C	2
73 - 0	F	0

Satisfactory clinical progress requires a grade of B or better each term.

**3. Students failing to meet academic or clinical requirements will be placed on probation.**



◆ **Dismissal:**

The Washington Hospital Radiologic Technology Program reserves the right to terminate the enrollment of any student who, in its judgment, does not satisfy the requirements of scholarship, health, or personal suitability for a profession in radiography. The student has the right to appeal a disciplinary dismissal according to the Due Process Policy as stated in the student handbook. The Academic, Clinical, and Disciplinary Dismissal Policies and the Due Process Policy can be viewed on the program web site at: [www.washingtonhospital.org](http://www.washingtonhospital.org)

◆ **Student Services:**

A full time financial aid officer is available to assist the student who applies for federal and state aid.

Enrolled students can utilize the Employee Assistance Program for short-term counseling; health services through the Employee Health Department; and pharmaceutical purchases at a discount rate through the Hospital pharmacy.

Tutoring is available for any student who is experiencing academic, clinical, or behavioral difficulties.

◆ **Holidays Observed:**

- |                    |                |
|--------------------|----------------|
| ◆ New Year's Day   | ◆ Labor Day    |
| ◆ Easter           | ◆ Thanksgiving |
| ◆ Memorial Day     | ◆ Christmas    |
| ◆ Independence Day |                |

◆ **Leave Of Absence:**

1. A leave of absence in case of emergency may be granted upon arrangement with the Chairman of the Radiology Department and the Director of Education.
2. The re-entry date will be determined in accordance with the leave of absence policy as stated in the Student Handbook.

### ◆ **Student Rights:**

1. Students have the right to expect quality education, including appropriate facilities and resources, qualified instructors, and courses relevant to the study of radiography.
2. Students have the right to have direct representation on the program's Advisory Committee.
3. Students have the right to expect equal treatment without regard to race, color, creed, gender, age, national origin, marital status, or handicap(s).
4. Students have the right to be fully informed as to what information is contained in their permanent educational records and of the policies pertaining to the conditions of disclosure.
5. Students have the right to a hearing to challenge the contents of their records and the opportunity for the correction or deletion of any inaccurate, misleading, or otherwise inappropriate data contained therein.
6. Students have the right to orderly procedures for the resolution of grievances.
7. Students have the right to be fully informed of hospital, department, and program policies and procedures.



### ◆ **Advanced Placement:**

The Washington Hospital Radiologic Technology Program will evaluate requests for advanced placement on an individual basis utilizing the following criteria:

1. The individual must have attended another recognized radiography program.
2. Transcripts including academic courses and clinical hours must be provided for review.
3. Determination of advanced placement will be made by the Admissions Committee.
4. The length of enrollment will be evaluated on an individual basis.

◆ **Graduation Requirements and Placement:**

1. The student must maintain a minimum cumulative academic GPA of 2.5 and a minimum cumulative GPA of 3.0 throughout the program.
2. The student must complete all Program and ARRT clinical competency requirements.
3. All financial obligations must be met before a student can graduate.
4. While The Washington Hospital School of Radiologic Technology does not maintain a formal employment service, the graduates will be assisted in locating positions.

## **Facilities**

1. The Radiologic Technology Program is located at The Washington Hospital. It includes classroom and office facilities with the clinical phase of training conducted in the Radiology Department and off-site facilities.
2. The program office maintains a small reference library for use by the students. The students also have access to the hospital's medical library which maintains numerous volumes and professional journals. The Citizens Library of Washington and Washington and Jefferson College libraries can also be utilized.

## **Health and Medical Care**

◆ **Radiation Protection Criteria:**

1. Basic radiation protection for the individual and patients is introduced during orientation and thoroughly covered during term 3. .
2. A radiation monitoring device is issued to each student. The Radiation Safety Officer, faculty, and student review the monthly report of exposure.
3. Radiation exposure policies and procedures are designed to keep exposure to a minimum by proper shielding and monitoring.

◆ **Health And Medical Insurance:**

All students should be covered by medical insurance. Students assume financial responsibility for any illness or injury.

◆ **Counseling:**

Counseling is available to the student by the program faculty. Short-term professional counseling is offered through participation in the Employee Assistance Program of The Washington Hospital. Counseling services are provided by the hospital and are free and confidential. If extended counseling is necessary, referral to outside agencies will be made. The student will assume the cost of this counseling.

# Finances

## ◆ Tuition:

1. Tuition for this program is \$5,500 per semester (\$11,000 per year).
2. Students who require a payment plan for the tuition must make the arrangements through the program office prior to enrollment date.
3. Transcripts will not be released until all financial obligations to the hospital and/or school are met.

## ◆ Uniforms:

The Radiologic Technology Program requires standardized uniforms to be supplied at the student's expense.

## ◆ Book/Activity Fee:

The one time Book/Activity Fee for the program is approximately \$1250.00 for the 24-month period.

## ◆ Graduation Fee:

The graduation fee is \$50.00.

## ◆ Housing:

The hospital has limited housing facilities that are available at an approximate cost of \$220.00 per month and are rented on a first-come/first-served basis.

## ◆ Financial Assistance:

1. Student who wishes to apply for federal/state financial aid, grants, and/or loans must file the Free Application for Federal Student Aid (FAFSA) annually. Financial aid may be in the form of grants, loans, or a combination of these. Students may contact the Financial Aid Officer for information relative to the specific type of aid. Financial aid counseling and determination of awards are based on guidelines and regulations of the funding agencies.
2. Federal School Code: 005960  
Financial Aid Links: [www.fafsa.ed.gov](http://www.fafsa.ed.gov) , [www.studentloans.gov](http://www.studentloans.gov)
3. Veterans should contact the local Veterans' Administration Office to determine eligibility for benefits.

## Academic Year – Academic Advancement

The academic year consists two semesters (two terms per semester).. The first academic year is defined as taking up to a minimum of 1664 hours of didactic and clinical course work prior to advancing to second year status. The second academic year requires a minimum of 1616 hours of didactic and clinical course work.

### The Curriculum

The Washington Hospital Radiologic Technology Program, as an accredited school, follows "The Curriculum Guide for Programs in Radiologic Technology." The course is designed to present approximately 800 theory hours and 2,400 clinical hours.

### Course Descriptions

Anatomy and Physiology is a course of the human body for the various systems, structures, organs and their functions as an integrated whole. Special emphasis will include the skeletal, circulatory, urinary, digestive, respiratory systems, related terminology and pathology. (Terms 1-7)

11 UNITS

Radiographic Procedures is a course which presents the radiographic positioning and principles necessary to perform diagnostic studies of the structures and organs of the body. Also incorporated in this course are special studies of the body's systems as well as the use of contrast media and patient preparation. (Terms 1-7)

11 UNITS

Physics/Imaging covers the fundamentals of technical mathematics, mechanics, electricity, magnetism, electronics, and electromagnetism required to understand the basic operations in the production of ionizing radiation. Digital imaging, x-ray generating equipment, principles of operation, and specialized and ancillary equipment are presented. An introduction to computer terminology, concepts, and an application for imaging and management in radiology are also incorporated in this course. (Terms 1-7)

11 UNITS

Principles of Radiographic Exposure is a course in which the theory of radiographic techniques, manipulation of techniques, and the correlation of these principles for practical application is presented. (Terms 1-7)

11 UNITS

Quality Assurance covers standards, test equipment, and testing procedures for consistency in the production of radiographic images. (Term 6)

1.6 UNITS

Computed Tomography is a course designed to introduce the concepts, terminology, equipment, and applications of CT imaging. (Terms 4-5)

3.2 UNITS

Chemistry of Radiography and Film Processing covers the history and the development of x-ray film, film holders, intensifying screens and accessories that are utilized for the x-ray procedures. Chemical constituents of the processing solutions, both manual and automatic, and their functions are presented. This course also includes processing quality control theory for radiographs. (Terms 2 and 4)

3.2 UNITS

Introduction to Medical Terminology is the study of terms used in the health profession: specific radiographic terms and their common abbreviations, anatomical names of bones and organs of the body, other descriptive terms, commonly used medical terms, prefixes, suffixes, and the proper usage of the medical terms. (Term 1)

1.6 UNITS

Principles of Radiation Protection is a radiation protection course encompassing both protection to the patient and to personnel. It includes terminology, control, standards, monitoring, and principles of protective shielding in radiographic and radiotherapeutic installations. (Term 3)

1.6 UNITS

Patient Care and Management (Medical Ethics and Law) covers the responsibilities entailed by becoming a member of the allied health team, the relationship of the technologist to the patients, the other technologists, the radiologist, the attending physician, and the other members of the health care team. (Term 1 -4)

6.4 UNITS

Radiographic Pathology is a course designed to acquaint the student with certain changes in disease and injury as well as their applications to radiology. (Term 7)

1.6 UNITS

Radiobiology is the study of the effects of ionizing radiation on the biological systems, both genetic and somatic. (Term 6)

1.6 UNITS

Film Critique covers the evaluation of radiographs for their diagnostic quality, including positioning, technique, anatomy, etc. (Terms 1-8)

1.8 UNITS

General Review is designed to correlate and review previous theory for practical application. (Tm. 8)

6.8 UNITS

Clinical Education covers practical experience in a clinical setting, including office procedure, practice in ethical and attitudinal situations during patient contact, patient care, and patient positioning for diagnostic radiographic studies. The student will also apply the principles of radiographic exposure. There will be sessions of image critique, and radiation protection measures will be emphasized and observed. (Terms 1-8)



## Estimated Cost – 2012- 2013 School Year

### 1. Dependent/Independent Commuter Student

Tuition .....	\$11,000.00
Books – one time fee - (approximate) .....	\$1,250.00
Rooms .....	\$2,936.00
Board .....	\$1,972.00
Transportation.....	\$2,348.00
Miscellaneous .....	\$1,760.00
<b>TOTAL</b>	<b>\$21,266.00</b>

### 2. Dependent/Independent Off-Campus Student:

Tuition .....	\$11,000.00
Books - one time fee- (approximate).....	\$1,250.00
Room .....	\$5,876.00
Board .....	\$3,948.00
Transportation.....	\$2,348.00
Miscellaneous .....	\$1,760.00
<b>TOTAL</b>	<b>\$26,182.00</b>

## Tuition Refund Policy

A partial refund of tuition for the fall/spring semester will be granted to students who have officially withdrawn from the radiography program. The refund will be based upon a percentage of tuition charged according to the following schedules:

Example:

$$\frac{\text{\# of days completed}}{\text{\# of days in the Term}} = \text{\% of Aid Earned}$$

$$100\% - \text{\% of Aid Earned} = \text{\% of Funds to be Returned}$$

Student withdraws on the 30<sup>th</sup> day of the Fall Term. There are 110 calendar days in the term.

$$\frac{30}{110} = 28\% \text{ of Aid Earned}$$

$$100\% - 28\% = 72\% \text{ of Funds to be Returned}$$

1. The student must adhere to the school's withdrawal policy in order to be eligible for a refund. The student's financial aid record will be reviewed to determine eligibility for a refund before this policy will be applied.
2. Financial aid recipients who intend to withdraw must have their records cleared by the Financial Aid Office as part of the process.

## **Pregnancy Policy**

All female students, upon entering The Washington Hospital Radiologic Technology Program, will be required to read and sign "Pregnancy Notification Procedure" (Form 1), indicating that they have been instructed in the area of radiation protection for the pregnant radiographer.

- A student who becomes pregnant has the right to declare or not declare her pregnancy.
- If the student declares her pregnancy, declaration must be in writing and include the current date and estimated month of conception.
- Upon declaration, the Director of the School of Radiography and the Radiation Safety Officer will review the student's radiation exposure history with the student, emphasizing the MPD during pregnancy is 500 mRem for the entire gestation or .05 rem during each month.
- The student's clinical rotation also will be reviewed. Should a student request any clinical rotation changes, all competency requirements in those areas must be met prior to program completion.
- The lower dose limit for a declared pregnancy will remain in effect until one of the following occurs:
  - ◆ the student gives birth
  - ◆ The student provides written notification informing school officials she is no longer pregnant
- If the student applies for a leave of absence, she will make her application for leave and re-admittance to the program according to the Leave of Absence Policy.
- Choosing not to declare pregnancy assumes the student is of regular status, and, therefore, no extra measures of protection for the fetus will be taken.

## **General Administrative Policies**

The Washington Hospital Radiologic Technology Program reserves the right to make such changes in its educational, administrative, and financial policies as are deemed advisable by the administration and the faculty for the progressive development of the program.