



SCHOOL OF RADIOLOGIC TECHNOLOGY

General Information Catalogue

Overview, Curriculum and Tuition

Revised: January 2020

The information contained in this packet is subject to change at any time

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OVERVIEW OF ALBERT EINSTEIN MEDICAL CENTER'S SCHOOL OF RADIOLOGIC TECHNOLOGY

The Albert Einstein Medical Center's School of Radiologic Technology at Einstein Medical Center Philadelphia campus or otherwise known as "the Program" has been in existence since 1946, graduating its first class in 1948. The Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the certification exam administered by the American Registry of Radiologic Technologists (ARRT). Eligibility requirements for ARRT certification in Radiography will call for candidates to have earned an associate (or more advanced) degree from an accredited agency effective January 1, 2015.

Students in the Program gain a wealth of knowledge in the Einstein Medical Center Philadelphia ("EMCP"), Department of Radiology and in the various satellite facilities. A wealth of training material are available from the over 264,000 diagnostic examinations performed annually. Aside from the many routine diagnostic rooms, specialized facilities are available in angiography, fluoroscopy, neuroradiography and ultrasound, as well as head and whole-body spiral computed tomography, magnetic resonance imaging and PACS. The Department is fully digital in producing patient examinations. An entire section of the Department is devoted to the performance of mammography procedures. Students also gain valuable outpatient clinical experience at some of AEMC's satellite facilities in the Philadelphia area.

The Program is twenty-three (23) months. Upon successful completion of all the Program's academic and clinical requirements, a student will be awarded a Certificate in Radiologic Technology from AEMC. The Program has a July starting date with orientation for all first year students commencing the first week of July. Classes and clinical education are scheduled Monday through Friday 8 AM to 4PM and do not exceed a total of 40 hours weekly.

The Albert Einstein Medical Center's School of Radiologic Technology considers all candidates for admission without regard to age, race, color, national or ethnic origin, religion, sex, or disability.

MISSION OF THE PROGRAM

The mission of the Albert Einstein Medical Center's School of Radiologic Technology is to graduate students who will possess the knowledge, practical skills and problem solving abilities to provide care to the community.

GOALS OF THE PROGRAM

Fulfillment of the Program's mission is assessed by the degree to which the Program achieves the following goals:

- 1. Graduates will be academically and clinically competent.**
Student Learning Outcome:
 - 1.1 Students will assimilate curricular knowledge when performing imaging procedures.
 - 1.2 Students will provide patient-centered, clinically effective care for all patients.

- 2. Graduates will be able to problem solve and effectively use critical thinking skills.**
Student Learning Outcome:
 - 2.1 Students will identify diagnostic quality images and correct non-quality images accordingly.
 - 2.2 Students will apply appropriate precautions and techniques to ensure safety.

3. Graduates will be competent radiographers with effective communication skills.

Student Learning Outcome:

3.1 Students will integrate clear and concise patient instruction during all procedures.

3.2 Students will utilize computer systems to communicate and to record data and patient information.

4. Graduates will demonstrate professional and ethical behavior.

Student Learning Outcome:

4.1 Students will follow departmental policies and procedures.

4.2 Students will maintain confidentiality and HIPAA requirements.

Past ARRT results:

2015 – 100%

2016 – 100%

2017 – 100%

2018 – 100%

2019 – 100%

5 Yr. average – 100%

The Program adheres to the following minimum standards:

A five-year average credentialing examination pass rate of not less than 75% at first attempt.

A five-year average job placement rate of not less than 75% within twelve months of graduation.

An annual student completion rate of not less than 75%.

An annual average graduate satisfaction rate of not less than “3” on Graduate Surveys.

An annual average employer satisfaction rate of not less than “3” on Employer Surveys.

The aforementioned Program Effectiveness Data can be accessed at any time on the school website <https://www.einstein.edu/education/non-physician-programs/radiology-technology> is located in the school office. The data is also accessible via the JRCERT website at any time at:

<https://portal.jrcertaccreditation.org/accredited-educational-programs/details/f6292cb1-6ac8-4bec-9073-4e9f92c1a2cf>

MASTER PLAN

The Albert Einstein Medical Center's School of Radiologic Technology at Einstein Medical Center Philadelphia campus ("EMCP") offers experience at Einstein Medical Center Elkins Park ("EMCEP"), Einstein Medical Center Montgomery ("EMCM"), Einstein Medical Center Philadelphia ("EMCP"), Einstein Center One, EHN Collegeville, EHN Holmesburg and EHN King of Prussia. The Program is an outcomes-based program. This Program is designed to provide the community with diagnostic imaging professionals who have not only achieved clinical competency but proficiency in Radiologic Technology. Proficiency is "performing in a given art, skill, or branch of learning with expert correctness and facility." It is believed that graduates of the Program will be of the highest caliber. They will contribute to the diagnosis and treatment of disease by providing radiologists with the highest quality images obtainable.

In order to achieve proficiency, students must master a wide variety of academic and clinical objectives. Students' cognitive, psychomotor and affective skills are simultaneously developed throughout the 23-month Program. Students must progress through a structured system of classroom, laboratory and clinical experience to achieve competency. Once the baseline of competency has been achieved, students remain on the clinical floor/units performing numerous additional examinations until proficiency is established.

The Program's clinical education component, in which students must maintain an overall course grade of 85%, is a well-structured and supervised system that reinforces and supplements the information presented in the didactic courses. It allows for the gradual development and eventual mastery of the students' skills. The mastery of these skills occurs over the 23-month program.

After students have demonstrated successful retention of the didactic subject matter, they are given a laboratory demonstration by the Program faculty and ample time to practice performing the examination. After sufficient practice, the students are tested via the Simulation (Sim) Evaluation. Students who receive an 85% or better on the Sim are then permitted to perform the examination on patients under the direct supervision of the staff technologist. Direct supervision is supervision by a qualified radiographer who reviews the procedure in relation to student achievement, evaluates the condition of the patient in relation to student knowledge, is present during the conduct of the procedure, and approves the procedure.

Once students feel they are competent in performing a particular examination under direct supervision, they may request to be tested by a clinical advisor, Clinical Instructor or faculty via a Clinical Competency Evaluation (CCE). Students who achieve 85% or better on the CCE are then able to perform the examination with indirect supervision in the future. Indirect supervision is supervision by a qualified radiographer immediately available to assist the student regardless of the level of student achievement. Immediately available is interpreted as the physical presence of a qualified radiographer adjacent to the room or area the procedure is performed. Students are later retested on the various body parts via the Proficiency Evaluation (Prof). In order to pass the Prof, a grade of 85% or better is required.

At the end of the 23-month curriculum, students must demonstrate competency in all ten (10) mandatory General Patient Care Activities and thirty-seven (37) mandatory Radiological Procedures as set forth by the American Registry of Radiologic Technologists ("ARRT"). Up to eight (8) of the aforementioned mandatory procedure competencies may be simulated. Students must also demonstrate competency in at least 15 of the 34 elective procedures set forth by the ARRT. Electives may be on patients (CCE), phantoms or as simulations. In addition, the General Patient Care competencies may be simulated. Students who have not achieved competency in all examinations by

graduation may be required to remain in the Program. School of Radiologic Technology Certificates will not be granted until all such requirements are met.

Students must attain an overall course grade of 75% or better in the following didactic courses:

Ethics and Law in Radiologic Science, Medical Terminology, Patient Care Standards, Pharmacology & Venipuncture, Image Analysis, Radiation Physics, Radiographic Procedures, Principles of Exposure & Image Production, Equipment Operations and Maintenance, Digital Image Acquisition and Display, Radiation Protection, Physiology, Advanced Imaging Modalities, Cross-Sectional Anatomy, Quality Assurance & Computed Radiography and Pathology.

Prior to graduation from the Program, students must also possess a college degree of an Associate of Science (“AS”) or higher degree in the related field of Radiologic Sciences.

In order to meet the Program’s college degree requirement students must meet one of the following requirements prior to graduation:

- Possess an AS or higher degree in the related field of Radiologic Science from a regionally accredited college;
- Be enrolled in a 2+2 medical imaging program at a regionally accredited college that grants a degree upon completion of the Albert Einstein Medical Center School of Radiologic Technology program; or
- Successfully complete all associate degree requirements set forth by Jefferson Philadelphia University + Thomas Jefferson University which is comprised of the completion of a minimum of 21 credits of Jefferson coursework, including: MATH 215-College Algebra, PSYCH 101-Introduction to Psychology, WRTG 105-Writing for the Workplace Culture, IT 201-Learning with Technology, HIST 114-Rise of the Modern World: American Transitions, HLTSV 210-Ethical Issues for Health and Human Services Providers and PLA 100-Scientific Reasoning.

PROGRAM’S AFFILIATION WITH JEFFERSON Philadelphia University + Thomas Jefferson University

Albert Einstein Medical Center’s School of Radiologic Technology has developed an affiliation agreement with Jefferson Philadelphia University + Thomas Jefferson University to offer academic courses that will enable students to pursue an Associate of Science Degree in Health and Human Sciences: Radiologic Technology.

PROGRAM ACCREDITATION

Albert Einstein Medical Center’s School of Radiologic Technology is accredited by the –

Joint Review Committee on Education in Radiologic Technology

20 North Wacker Drive, Suite 2850

Chicago, Illinois 60606-3182

312-704-5300

email: mail@jrcert.org

To be an approved and accredited program in radiologic technology, Albert Einstein Medical Center’s School of Radiologic Technology, must meet the “*JRCERT Standards*”.

The “Standards” present the minimum accreditation standards for an educational program and includes all the requirements for which the program is held accountable.

Should an enrolled student in the Program feel that the Program has not met the minimum standard of education or an issue has gone unresolved; the student should contact the JRCERT to submit an allegation. Every effort will be taken to resolve student issues. No retaliation actions will be taken by the Program.

Go to: www.jrcert.org

Students

Reporting Allegations

Reporting Process

Allegation Reporting form

OVERVIEW OF THE EINSTEIN HEALTHCARE NETWORK

EMCP is part of the Einstein Healthcare Network, a private, not-for-profit healthcare system that includes many entities and programs or divisions important to the healthcare needs of people in our surrounding communities.

Einstein was originally founded at the end of the Civil War in 1866, as Philadelphia’s Jewish Hospital – with a mission to care for the disenfranchised beyond the Jewish community, including former and freed slaves. As such our values and fundamental strengths were developed from our Jewish roots. “Being community” is at the core of Jewish responsibility, and it is defined by the fundamental beliefs of empathy, stewardship, justice and obligation. Being community goes beyond being ‘part’ of a community and embraces the practice of individuals coming together for a common purpose and aligning around similar ideals and interests.

For more than 140 years, Einstein physicians and staff have been leaders in the art and science of healing. Since the founding of the Jewish Hospital, we have remained at the forefront of medical science. Our physicians pioneered and perfected many of today’s widely practiced medical techniques. We continue to develop new strategies to meet the challenges facing healthcare today and tomorrow.

The facilities included in the Network are:

Einstein Medical Center Elkins Park: is a 60-bed general acute care hospital located on a 30-acre suburban campus in Montgomery County. The hospital offers a full range of services, including a 24-hour Emergency Department staffed by board-certified emergency medicine physicians, highly skilled emergency nurses and key specialists on-call. The Elkins Park location also provides a broad spectrum of inpatient and outpatient surgical services, diagnostic imaging services and general nuclear medicine and cardiology services.

Einstein Medical Center Montgomery: A full-service, acute-care hospital, Einstein Medical Center Montgomery has 146 beds and offers advanced services including: 24-hour emergency care, cardiac

services, including open heart surgery and cardiac catheterization and advanced obstetrical care including a Level III B NICU.

Einstein Medical Center Philadelphia: A tertiary-care, teaching hospital, offering a full range of advanced healthcare services for kidney, pancreas and liver disease and transplantation, cardiovascular disease, women's health, cancer care, orthopedics and geriatric care. The medical center also includes a Level I Regional Resource Trauma Center, a Level III Neonatal Intensive Care Unit, and community practice centers.

Collegeville: The new center, located in Providence Town Center, is not just for simple sniffles or flu shots, although primary care treatment is available. Other medical services provided by Einstein physicians include pain management, orthopedics, hepatology for advanced liver disease, nephrology, endocrinology, rheumatology, cardiology and integrative medicine, which combines traditional treatment with methods such as massage and acupuncture. The center has an outpatient laboratory, a radiology department for x-rays and other scans, and services provided by MossRehab.

Einstein Center One: Located in Northeast Philadelphia, Einstein Center One houses primary care and specialty care physician offices and an ambulatory surgery center. This outpatient medical facility offers services including oncology, diagnostic radiology, nuclear radiology, cardiology, gastroenterology, urology, obstetrics/gynecology, ophthalmology, orthopedics, psychiatry and dentistry.

Holmesburg: This new outpatient care center offers a full range of specialty care services, including a multispecialty suite that includes providers with specialties in general surgery, vascular surgery, bariatric consultation and evaluation, pulmonology, endocrinology, rheumatology, electrophysiology, urology, nephrology and orthopedic subspecialties, including foot and ankle, spine, shoulder, sports medicine and joint replacement. The site also offers outpatient imaging, such as ultrasound, dexascan, and full field digital mammography.

EHN King of Prussia: The new center, located in King of Prussia features a wide range of medical specialists and services, including primary care, obstetrics and gynecology, orthopedics, radiology and outpatient laboratory services, and physical medicine and rehabilitation from MossRehab.

MossRehab: Located at Elkins Park and on Einstein's main campus, MossRehab has been repeatedly recognized by U.S. News & World Report as one of the nation's best medical rehabilitation providers. Special programs include the Drucker Brain Injury Center, Stroke Center (one of the first in the nation to receive accreditation by CARF as a stroke specialty program), Amputee Center, and the MossRehab Driving School. MossRehab is also a federally designated Model System of Care for traumatic brain injury.

Willowcrest: A restorative care facility located on Einstein's main campus, providing physician-directed, skilled nursing care and rehabilitation to help patients return to independence following hospitalization.

THE PROFESSION OF RADIOLOGIC TECHNOLOGY

Radiologic technologists, or Radiographers, are integral parts of the health care team. They use their knowledge of anatomy, physiology, positioning and radiation technique to obtain high quality diagnostic images of the human body. They employ the dexterity developed during training to complete examinations safely and quickly. They work with some of the most sophisticated technologically advanced equipment presently available and, at the same time, they enjoy the rewards of close patient contact. Radiographers are certified through the American Registry of Radiologic Technologists.

Radiologic Technology is a personally rewarding, well-respected profession with great potential for growth. Hospitals and clinics employ the majority of radiographers, but there are many other settings in which they work. Radiographers may pursue higher education and gain employment in teaching, research or sales, or they may cross-train into the hi-tech areas such as special procedures, computerized tomography or magnetic resonance imaging.

EXAMINATION FOR RADIOGRAPHY CERTIFICATION

Applicants must be of good moral character. Generally, the conviction of any offense, misdemeanor or felony, indicates a lack of good moral character for certification purposes. Those who have been convicted of a crime may be eligible for certification if they have served their entire sentence, including probation and parole, and have their civil rights restored. This determination is made by the American Registry of Radiologic Technologists.

After successful completion of the Program, graduates are awarded a Certificate in Radiologic Technology from AEMC. Beginning January 1, 2015 graduates must possess an Associate Degree or higher in order to be eligible to take the certification examination in radiography, which is administered by the American Registry of Radiologic Technologists (ARRT). Pearson VUE, the electronic testing business of Pearson Education, administers ARRT examinations. Graduates who successfully pass the examination are credentialed by the American Registry of Radiologic Technologists, which enables them to use the title "Registered Technologist" or RT(R). Most employers require radiologic technologists be registered by the ARRT.

It is the responsibility of the student/graduate to obtain, complete and submit the application for the American Registry of Radiologic Technologists.

ADMISSION TO THE SCHOOL OF RADIOLOGIC TECHNOLOGY

The Program's Admissions Committee, representing the faculty of the School of Radiologic Technology, selects the applicants who satisfy the admission criteria and demonstrate the capability of completing the Program and becoming registered technologists. All applicants are considered for admission without regard to age, race, creed, color, religion, sex, disability, or national origin.

Minimum Requirements for Admission:

A. High School Diploma or Equivalent

B. Transcript(s)

1. An official high school transcript or an official GED transcript must be submitted.
2. Official transcripts from institutions of higher education must be submitted, *if applicable*. For interested applicants who hold international high school and/or college transcripts, the official transcript and a detailed U.S. equivalency course evaluation must be submitted detailing the completion and final grades of the minimum program prerequisites. Foreign grades must be converted by one of the following recognized services:

Educational Credential Evaluators, Inc. (414)289-3400

Global Education Group, Inc. (305)534-8745

World Education Services (212)966-6311

PLEASE NOTE: Albert Einstein Medical Center's School of Radiologic Technology is not a Student and Exchange Visitor Program (SEVP) certified school and is unable to sponsor student visas.

C. Job Shadowing Experience

Applicants who successfully complete the pre-entrance test and interview are required to shadow a Radiologic Technologist for 6-8 hours in a hospital or imaging center and submit verification of this experience.

D. Three Recommendation Forms

Recommendation Forms should come from individuals familiar with the applicant, and can include the following:

School instructors, school counselors, members of the clergy, or employers can complete the recommendation forms.

Personal references by family members are NOT acceptable.

E. Personal Interview

Applicants who meet the minimum requirements and pass the pre-entrance test with a minimum score of 58% may be called in for interviews. Interviews are only granted to those applicants who are at the top of the applicant pool.

F. Pre-entrance Testing

All potential applicants will be required to take the **TEAS (Test of Essential Academic Skills)**.

G. Health Form

A pre-entrance medical examination and drug screening must be obtained in order to protect patients and other EHN personnel. Acceptance into the Program is contingent upon this examination.

H. Background Check

In accordance with the Network's policies, a pre-entrance background check must be obtained. Candidates must be of good moral character to sit for the ARRT examination. Those who have been convicted of a crime may be eligible for certification if they have served their entire sentence, including probation and parole, and have their civil rights restored. This determination is made by the ARRT.

I. Technical Standards for a student

Applicants and enrolled students to the Program must be able to perform the following skills in order to perform the clinical requirements of the school and the technical aspects of a diagnostic radiologic technologist in the work force. Corrective devices are permitted to meet the following minimal requirements.

The applicant and/or student must be able to:

- Communicate in English in order to converse with and instruct patients to relieve their anxiety and to gain their cooperation during procedures.
- Hear a patient talk in a normal tone from a distance of 20 feet.
- Observe the patient in order to assess his/her condition from a distance of 20 feet.
- Read a patient's medical chart.
- Evaluate radiographs to make sure that all images are of diagnostic value and are properly identified.
- Render services and/or assistance to all patients depending upon their individual needs. These needs may involve movement of a patient in and out of a wheelchair, on or off a radiographic table or stretcher, and through a variety of positions in order to obtain images.
- Push, pull and lift up to 40 pounds.
- Manipulate a portable x-ray machine around corners, onto elevators and within patient rooms.
- Maneuver the x-ray tube at standard and non-standard heights at up to 7 feet.
- Draw up sterile contrast media and other solutions without contaminating the needle, syringe or injecting device.
- Select and set the necessary exposure factors using knobs, buttons, dials and switches.
- Place x-ray image receptors in bucky trays and spot film devices.
- Manipulate all locking devices on the radiographic unit.
- Stand for periods of time up to 2 hours while wearing a lead apron.
- Walk a distance of up to 2 miles during a normal workday.

The Program is committed to compliance with the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 (ADA) and the Americans with Disabilities Act Amendments Act to provide equal enrollment opportunities for qualified student applicants. The Program is also committed to ensuring that enrollment decisions are made without discrimination, including but not limited to, decisions concerning admission, clinical assignments, training, evaluations, working conditions and opportunities for employment.

The Program expresses intent to provide reasonable accommodation, as necessary, for “known” disabilities of qualified applicants or students. It is the responsibility of the individual applicant or student to identify him or herself as an individual with a disability when seeking an accommodation. It is also the responsibility of qualified applicants and students to cooperate in request for medical documentation from an appropriately licensed professional of their disability and how the disability limits their ability to complete their essential job functions. Medical documentation will be kept confidential.

It is the policy of the Program not to discriminate against qualified persons with disabilities in admission or access to any of its Programs, services and activities.

GRADUATION REQUIREMENTS

In order to graduate from the Program, students must successfully complete all academic, clinical and competency requirements and successfully pass the Junior and Senior Level Comprehensive Examinations. These Examinations are mock-registry type exams administered at the completion of the junior and senior years of training. Junior or Senior students who fail the respective examinations will be informed as provided for below*.

Students who do not pass the Junior and Senior Level Comprehensive Exams on the first attempt must meet the following requirements in order to proceed through the remainder of the Program to graduate:

*** Junior students who fail the exam will:**

1. Be informed of the failure, advised to study again and given the opportunity to retake the exam.
2. Be promoted to senior students if the second attempt is passed.
3. Be required to repeat the junior level courses in which they have been shown to be deficient according to the comprehensive examination and faculty recommendations and are subject to the \$500.00 tuition fee for each course that will be retaken.

*** Senior students who fail the exam will:**

1. Be informed of the failure, advised to study again and given the opportunity to retake the exam.
2. Be permitted to graduate if the second attempt is passed.
3. Be required to submit additional assignments and attend mandatory tutoring sessions as stipulated by the Program faculty.

Additionally, students must meet all time requirements (refer to page 56 in Student Handbook) and financial obligations (refer to page 64 in Student Handbook) in order to graduate the Program. Students must also possess a college degree of an AS or higher degree in the related field of Radiologic Sciences from a regionally accredited college prior to graduation from the Program. To fulfill the Program’s degree requirement, students must possess a degree in the related field of Radiologic Sciences. If a student does not already possess the required degree upon acceptance to the Program, the student must also meet all graduation requirements set forth by the degree granting institution.

Program College Degree Requirement

To fulfill the Program's degree requirement, students must possess a college degree of an Associate of Science or higher degree in the related field of Radiologic Sciences. If a student does not already possess the required degree upon acceptance to the Program, the student must also meet all graduation requirements set forth by the degree granting institution.

In order to meet the Program's college degree requirement students must meet one of the following requirements prior to graduation:

- Provide evidence of an AS or higher degree in the related field of Radiologic Science from a regionally accredited college;
- Provide evidence of enrollment and in a 2+2 medical imaging program at a regionally accredited college that grants a degree upon completion of the Einstein Medical Center School of Radiologic Technology program; or
- Successfully complete all associate degree requirements set forth by Jefferson Philadelphia University + Thomas Jefferson University. Students completing the Associate of Science Degree in Health and Human Sciences: Radiologic Technology program, at Jefferson must complete a minimum of 21 credits of Jefferson coursework which includes: MATH 215-College Algebra, PSYCH 101- Introduction to Psychology, WRTG 105-Writing for the Workplace Culture*, IT 201-Learning with Technology*, HIST 114-Rise of the Modern World: American Transitions*, HUM 301-Art in Context* and PLA 100-Scientific Reasoning*.

*** WRTG 105-Writing for the Workplace Culture, IT 201-Learning with Technology, HIST 114-Rise of the Modern World: American Transitions, HUM 301-Art in Context and PLA 100-Scientific Reasoning must be taken at Jefferson.**

GRADUATION AWARDS

Awards available upon graduation to selected students include:

1. Outstanding Clinical Skills
2. Highest Grade Point Average
3. Best All Around Student
4. Excellence in Interventional Radiography
5. Outstanding Patient Care Skills
6. Excellence in Radiologic Sciences
7. Outstanding Junior Student

RADIOGRAPHY CURRICULUM

Term I

RT101- Medical Terminology
RT102- Patient Care Standards
RT302- Pharmacology & Venipuncture
RT607- Ethics and Law in Radiologic Science

Term II

RT103- Radiation Physics I
RT104- Radiographic Procedures I
RT105- Principles of Exposure & Image Production I
RT106- Clinical Education I
RT107- Image Analysis I
Math 215

Term III

RT203- Radiation Physics II
RT204- Radiographic Procedures II
RT205- Principles of Exposure & Image Production II
RT206- Clinical Education II
RT207- Image Analysis II
IT 201

Term IV

RT303- Equipment Operation and Maintenance
RT304- Radiographic Procedures III
RT305- Digital Image Acquisition and Display III
RT306- Clinical Education III
* Junior Comprehensive Examination

Term V

RT306-Clinical Education III continued
RT403- Radiation Protection
WRTG 105
PSYCH 101

Term VI

RT406- Clinical Education IV
RT408- Physiology
RT409- Advanced Imaging Modalities
RT604- Cross-Sectional Anatomy
RT612- Certification Examination Review
HUMN 301

Term VII

RT506- Clinical Education V
RT510- Quality Assurance and Computed Radiography
RT511- Pathology
RT612- Certification Examination Review
HIST 114
PLA 100

Term VIII

RT606- Clinical Education VI
RT612- Certification Examination Review
* Senior Comprehensive Examination
Jefferson Philadelphia University + Thomas Jefferson University Courses

DIDACTIC COURSE GRADING AND POLICY

DIDACTIC GRADING SCALE

A – 94 to 100
B – 86 to 93.9
C – 79 to 85.9
D – 75 to 78.9
F – 0 to 75

DIDACTIC COURSE FAILURE

Every student must achieve a didactic grade of at least 75 in each course in order to pass the course.

Students who fail to meet didactic performance standards (75 minimum passing grade) for any course, will be given two (2) weeks, considered ten (10) business days, to remediate their studies. The student will be required to take a cumulative final examination, in the course, at the end of the two (2) weeks (end of tenth (10th) business day) and must achieve the minimum passing grade of 75 or higher, or termination from the program will result. If the student receives a 75 or higher on the examination, the student will be allowed to remain in the program and the final grade for that course will be documented as a 75 on the official transcript.

Students are allowed only one didactic course failure during their time in the program.

Should a student fail a second course at any time in the program he/she will be terminated from the program.

CLINICAL EDUCATION GRADING AND POLICY

CLINICAL EDUCATION GRADING SCALE

A – 97 to 100

B – 93 to 96.9

C – 89 to 92.9

D – 85 to 88.9

F – 0 to 84.9

CLINICAL EDUCATION COURSE FAILURE

Students who fail a clinical education course will be dismissed from the program.

CLINICAL EDUCATION ASSIGNMENTS

During the 23-month program, students in the AEMC School of Radiologic Technology will rotate through the following clinical assignments:

Chest Radiography	Magnetic Resonance Imaging
Cardiac Catheterization Lab	Nuclear Medicine
Computed Tomography	Outpatient Radiography
Emergency Radiography	Portable Radiography
Fluoroscopy	Radiation Therapy
General Radiography	Ultrasonography
Interventional Radiography	*Mammography is elective

Students will also rotate through the following off-site clinical locations:

Einstein Center One	9880 Bustleton Ave.	Philadelphia, PA
EHN Collegeville	100 Market St.	Collegeville, PA
EHN Holmesburg	8015 Frankford Ave.	Philadelphia, PA
EHN King of Prussia	210 Mall Blvd.	King of Prussia, PA
Einstein Medical Center Elkins Park	60 Township Line Rd.	Elkins Park, PA
Einstein Medical Center Montgomery	559 West Germantown Pike	East Norriton, PA

TUITION AND FEES

(ALL PRICES ARE SUBJECT TO CHANGE AT ANY TIME)

- 1. Application** **\$75.00**
To be submitted along with the application in order for the application to be processed.
- 2. TEAS (Test of Essential Academic Skills)** **\$58.00**
Payable at the time of the pre-entrance exam.
- 3. School of Radiologic Technology Tuition and Academic Fees** **\$9,100.00/year**
To pay the student's didactic and clinical education, malpractice insurance, society fees, graduation fee, and marker fee ONLY, payable to EMCP. Tuition assistance is the responsibility of the student applicant. Financial aid is not available from EMCP at this time. Tuition for university courses will be paid directly to the degree granting institution and is not included in the above tuition rate.

Technology Fee **\$150/year**
To pay the student's technology access fee for electronic clinical file maintenance. Payable to EMCP in July each year.
- 4. Jefferson Tuition and Academic Fees** **\$1200.00/course (if applicable)**
Payable directly to Jefferson Philadelphia University + Thomas Jefferson University for each three credit course. * A onetime \$100.00 graduation fee will be assessed prior to receiving the terminal award of Associate Degree at University Graduation.
Jefferson courses are only required if student is unable to meet the graduation requirement of a Associate Degree or higher in the related field of Radiologic Science from a regionally accredited college.
- 5. Other Expected Fees**
 - Books** **\$900.00 (approximately)**
These books must be purchased directly through Rittenhouse Book Distributors.
 - Parking (optional)** **\$60.00 (per month)**
To obtain a parking spot in the hospital garage or surface lot.
 - ARRT fee** **\$200.00**
To register for the American Registry of Radiologic Technology Certification Exam.
 - Uniforms** **\$100.00 (approximately)**
The designated school uniform is a charcoal gray scrub outfit with white shoes and hospital ID badge.
 - CPR** **\$50.00 (approximately)**
If already certified, your card must be presented to the school office and copied to be placed in your student file.
 - Background Checks** **\$35.00 (approximately)**
A pre-entrance background check must be obtained. Candidates must be of good moral character to sit for the ARRT examination. Those who have been convicted of a crime may be eligible for certification if they have served their entire sentence, including probation and parole, and have their civil rights restored. This determination is made by the ARRT.

PROGRAM TUITION POLICY

The Albert Einstein Medical Center's School of Radiologic Technology does *not* accept financial aid.

In an effort to ease the financial strain on the students, the Program permits students to pay their tuition in installments over the course of the academic year. However, students must pay in advance for each semester of education as follows:

1/3 of the yearly tuition is due prior to the start of the Summer semester.

1/3 of the yearly tuition is due prior to the start of the Fall semester.

1/3 (final payment) of the yearly tuition is due prior to the start of the Spring semester.

Students who have not paid for an upcoming semester will not be permitted to attend classes and clinical until the tuition payment is made. Students who miss class or clinical due to unpaid tuition are responsible for making up all missed time and assignments. This tuition policy is only applicable to AEMC School of Radiologic Technology.

TUITION REFUND POLICY

Any student who wishes to withdrawal from the Program is required to given written notice to the Program Director on an official withdrawal form. Any tuition refund due to the student will be calculated from the date that the notice of withdrawal is received in the office. Students who voluntarily leave the Program prior to completion or are dismissed from the Program (hereinafter for this policy considered an "Exit"), and have timely paid the tuition are entitled to a refund according to the following schedule:

If tuition is paid in full (per year):

Exit prior to the end of the first semester – 2/3 tuition refund

Exit prior to the end of the second semester – 1/3 tuition refund

If tuition is paid in installments (per semester):

Exit prior to the end of the first four weeks of class – 2/3 tuition refund

Exit prior to the end of the eighth week of class – 1/3 tuition refund

The refund applies to tuition payments only and does not include any other miscellaneous costs paid upon entering the program. Ignorance of this policy does not relieve the student of any financial obligation. This tuition policy is only applicable to AEMC School of Radiologic Technology.

WITHDRAWAL POLICY

Any student who wishes to withdrawal from the Program must submit a completed Withdrawal Form to the Program Director. The date the Program Director receives the Withdrawal Form will be recorded as the official date of withdrawal.

TRANSFER STUDENT POLICY

The Program does not transfer radiography credits into the Program. Any post-radiography student wishing to attend the Program must follow all admission policies and criteria and will be evaluated by the Program faculty. No preference will be given to radiography transfer students.

TESTING ACCOMMODATION

Students may be granted testing accommodations including additional time and/or a distraction free environment for test taking. Students requesting a testing accommodation must submit a completed Request for Accommodation Form to the Program Director for consideration. The Program Director will notify the student and all didactic faculty of an approval for testing accommodation.

COUNSELING

Any student who is in need of confidential help with problems, either academic or personal, may elect to fill out a School of Radiologic Technology Program Request for Counseling Form. Once the Program Office receives the form, the student will be contacted to set up a counseling appointment.

PREGNANCY POLICY

The Albert Einstein Medical Center's School of Radiologic Technology allows a female student the option of whether or not to inform program officials of her pregnancy. If a student chooses to voluntarily inform officials of her pregnancy, it must be in writing to the Program Director and Radiation Safety Office, as per EHN Policy No. A0091.1 (Pregnancy Policy for Occupational Radiation Workers). A sample "Declaration of Pregnancy" form is attached to the aforementioned policy. Upon the student's declaration of pregnancy, arrangements will be made for her to speak with a member of the Radiation Safety Staff regarding the potential for fetal radiation exposure, any concerns, and provisions for additional radiation monitoring. The pregnant student must be allowed to make an informed decision based on her individual needs and preferences. In the absence of this voluntary, written disclosure, a student cannot be considered pregnant with respect to the regulations pertaining to occupational radiation exposure.

Once pregnancy has been confirmed, the student has the right to choose from the following options in regard to her education:

1. She may withdraw immediately from the program in good standing with readmission after the pregnancy.
2. She may continue in the program following consultation with the Radiation Safety office. Modifications will only be made to clinical assignments with the written recommendations of the student's physician and/or Radiation Safety department.
3. She may continue in the program without modification.
4. She may opt to withdraw the written declaration of pregnancy.

The School of Radiologic Technology and the Einstein Healthcare Network assume no responsibility for any untoward pregnancy outcomes as a result of the student's participation in the Program.

This policy is subject to change at the discretion of the School of Radiologic Technology and/or the EHN Radiation Safety Department.

RADIATION SAFETY

Students are provided with radiation-monitoring devices which are collected and processed on a quarterly basis. Students are required to wear the radiation-monitoring device at all times when in a clinical education rotation. Quarterly radiation-monitoring reports are posted on the radiology classroom bulletin board. Students are required to review the quarterly reports and sign their initials to indicate their review of the report.

PROCEDURE FOR BADGE IMPLEMENTATION:

1. The program director will submit radiation badge request to the Radiation Safety Officer.
2. During orientation the Radiation Safety Officer for EHN will provide an overview of radiation protection standards, policies and practices.
3. Students must wear a radiation monitoring device during clinical rotations and follow established department guidelines.
4. Badges will be distributed and collected quarterly.
5. In the event that the film badge is lost, the student will be required to notify the Clinical Coordinator and the Radiation Safety Officer. The Clinical Coordinator will facilitate the issuing of a replacement badge.
6. In the event the badge is contaminated or suspected of contamination, the student will be required to notify the Clinical Coordinator and Radiation Safety Officer.
7. Students may contact the EHN radiation safety officer to review their personal radiation monitoring records.
8. The AEHN ALARA limits that trigger notification/investigation are as follows:

Worker / Badge Category	ALARA Level I (mrem/quarter)	ALARA Level II (mrem/quarter)	Maximum Annual Limit (mrem/year)
Material Workers: (Whole-body)	125	375	5,000
Material Workers: (Lens of Eye)	375	1125	15,000
Material Workers: (Extremities)	1250	3750	50,000
X-Ray Workers: (Whole-body)	125	375	5,000
X-Ray Workers: (Lens of Eye)	375	1125	15,000
X-Ray Workers: (Extremities)	1250	3750	50,000
Interventional Workers: (W Body)	375	625	5,000
Interventional Workers: (Eye lens)	1125	1875	15,000
Interventional Workers: (Extrem.)	3750	6250	50,000
Pregnant Radiation Worker (declared)			500 (entire gestation)
<u>Occupational Radiation Worker Categories:</u>			
Material Workers: Exposure due to Radioactive Materials Use			
X-Ray Workers: Exposure due to X-ray Machine Use			
Interventional Workers: Exposure due to complex fluoroscopic procedures			

NOTE: The student must follow all Radiation Safety guidelines and standards of the Department to which they are assigned.