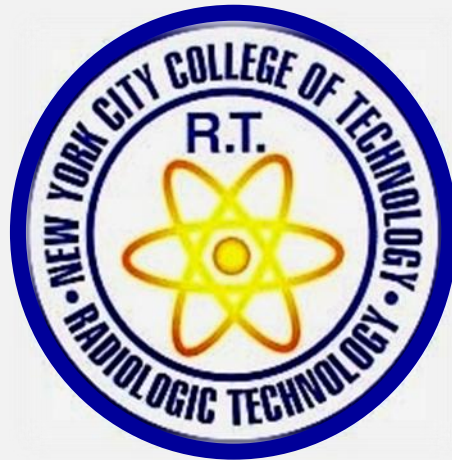


Clinical Education Handbook

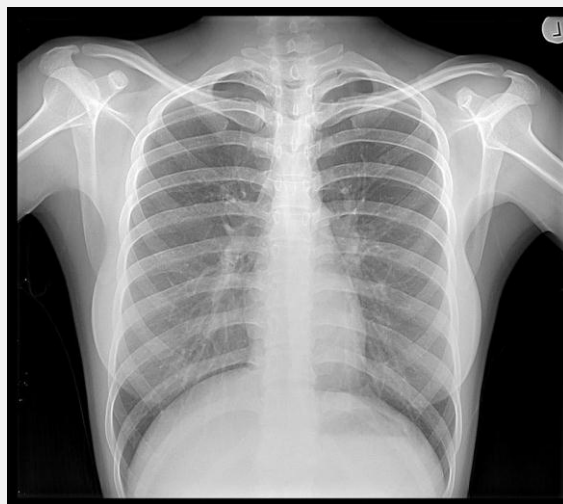
Department of Radiologic Technology & Medical Imaging



Spring 2016

NEW YORK CITY COLLEGE OF TECHNOLOGY
The City University of New York

Clinical Education Handbook



This handbook contains information about the AAS degree program's curriculum, departmental policies on admission, and progression through the program. It also contains detailed information on clinical education requirements and policies. Information on general college policies, such as admission, registration, tuition, grading, financial aid, and degree requirements may be found in the college catalog or the college-wide student handbook.

The clinical teaching-learning experience affords students the opportunity to learn how to interact with people seeking health care. The purpose of clinical experience is to assist students in gaining mastery of the methods needed to deal effectively with knowledge, insights, and skills required to produce diagnostic radiographs, practice radiation protection, and enhance patient care skills.

The Department reserves the right to change the requirements, policies, rules and regulations without prior notice in accordance with established procedures. It also reserves the right to publish the Clinical Education Handbook in this electronic version and make changes as appropriate. Such changes take precedence over the printed version.

CLASSROOM DECORUM

Radiologic Technology & Medical Imaging students are expected to demonstrate maturity, courtesy and restraint. Professional education begins in the classroom, carries to the lab and into the clinical setting. Therefore, appropriate behavior and professionalism are expected in the classroom at all times.

The department welcomes the exchange of ideas and opinions. However, it is expected that when addressing college faculty and classmates, it will be done in a respectful manner. Disruptive behavior during class will not be tolerated. Confrontation with other students or faculty, at any level, is inappropriate.

Tardiness is disruptive to the flow of the learning activities and should be avoided. Cell phones and/or other devices that have alarms should not be brought into the classroom. The college faculty reserves the right to set stricter rules regarding the use of electronic devices.

Food and drinks are not allowed in the classroom and labs.

These decorum standards apply to the labs and clinical education setting as well. All clinical staff, technologists, and other hospital personnel should be treated in the same respectful manner as college faculty. Repeat episodes of disregard for classroom decorum will be reported to Student Services for further action.

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INTRODUCTION

The Radiologic Technology & Medical Imaging program is one of the health career programs at New York City College of Technology. It is designed to provide the radiology team with a member who, under the direction of a radiologist, uses ionizing radiation as an investigative function which contributes to diagnosis of disease or injury.

The student will develop technical and social skills through active participation in an organized sequence of classroom, laboratory, and clinical experiences provided in the curriculum.

The student of radiologic technology will practice the art and science of radiography with skill and knowledge of total patient care and effective measures of radiation protection. The technical ability of the radiographer will enable the health care team to improve community health services and provide upward mobility for career development.

AAS DEGREE IN RADIOLOGIC TECHNOLOGY INFORMATION

The radiologic technologist utilizes ionizing radiation to produce radiographic images of various parts of the body to aid in the detection of injury and disease. In recent years, the increasing complexity of radiologic procedures and the continuing emphasis on the elevation of prescribed standards of practice set forth by the Bureau of Environmental Radiation Protection of New York State have made radiologic technology and medical imaging a highly specialized and sophisticated science requiring highly trained personnel. New York City College of Technology offers a comprehensive program providing students with the special knowledge and skills necessary for the practice of radiologic technology and medical imaging.

The Radiologic Technology & Medical Imaging program in diagnostic radiography is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and the New York State Department of Health (NYSDOH), Bureau of Environmental Radiation Protection.

The AAS program has an eight-year accreditation status – 2007 to 2015.

Graduates of the program are eligible to take the national certification and licensure examination administered by the American Registry of Radiologic Technologists (ARRT) and the NYSDOH. Candidates for the examination must comply with the "Rules of Ethics" contained in the ARRT Standards of Ethics and the NYSDOH Public Health Law Section 89.16.

Among the employers of the graduates of this program are Brookdale University Hospital & Medical Center, Brooklyn Hospital Center and Caledonian Hospital Center, Hospital for Special Surgery, Lutheran Medical Center, Maimonides Medical Center, New York Presbyterian Hospital: New York Weill Cornell Center, New York Presbyterian Hospital: Columbia Presbyterian Center, Mount Sinai North (formerly known as Mount Sinai St. Luke's), Mount Sinai West (formerly known as Mount Sinai Roosevelt) and Woodhull Medical and Mental Health Center. The average starting salary for radiologic technologists at entry-level is \$54,000.

MISSION STATEMENT

The mission of the Department of Radiologic Technology and Medical Imaging is to prepare a diverse population of students for entry into the profession of radiologic technology and provide advanced education opportunities.

Note: The program's mission and goals are consistent with the mission of the college.

PROGRAM GOALS & STUDENTS' LEARNING OUTCOMES

GOAL 1: Graduates will be competent in clinical components of radiologic technology.

Outcome 1.1 Graduates will demonstrate strong positioning skills.

Outcome 1.2 Graduates will illustrate appropriate patient care while working with patients.

Outcome 1.3 Graduates will illustrate radiation protection while working with patients.

GOAL 2: Graduates will communicate effectively in the health care setting.

Outcome 2.1 Graduates will demonstrate effective oral communication skills.

Outcome 2.2 Graduates will demonstrate effective written communication skills.

GOAL 3: Graduates will demonstrate skills in critical thinking and problem-solving.

Outcome 3.1 Graduates will evaluate radiographic images and determine proper course of action.

Outcome 3.2 Graduates will effectively plan, prepare for, and carry out requirements to be able to accommodate positioning for non-routine procedures.

GOAL 4: Graduates will enter the field of radiologic technology and practice with a high degree of ethics and professionalism.

Outcome 4.1 Graduates will demonstrate proper ethics and professionalism while working with patients.

Outcome 4.2 Graduates will possess and maintain a professional resume.

Outcome 4.3 Employers will be satisfied with the graduate's work ethics and professionalism.

GOAL 5: Program Effectiveness Measures:

Outcome 5.1 Graduates will pass the national certification examination on the first attempt.

Outcome 5.2 Graduates seeking employment will be working in the field within six months post-graduation.

Outcome 5.3 Students will complete the program.

Outcome 5.4 Graduates will be overall satisfied with their education in Radiologic Technology.

Outcome 5.5 Employers will be overall satisfied with the performance of the program's graduates.

PROGRAM EFFECTIVENESS DATA

Credentialing Examination (ARRT) Pass Rate

Five-year average credentialing examination (American Registry of Radiologic Technologists Radiography examination) pass rate of not less than 75% at first attempt within six months of graduation.

RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING AAS Degree Program Effectiveness Data			
Year	Percent Program Completion Rate	Percent Passing ARRT Exam on 1st Attempt	Job Placement Rate Within 12 months of graduation
			2010 Data: 88% (21 out of 24 working)
2011	97% (65 out of 67)	94% (61 out of 65)	88% (15 employed out of 17 who sought employment)
2012	76% (51 out of 68)	98% (49 out of 50)	87% (20 employed out of 23 who sought employment)
2013	96% (65 out of 68)	85% (55 out of 65)	91% (21 employed out of 23 who sought employment)
2014	90% (61 out of 68)	82% (49 out of 60)	50% (2 Employed out of 4 who sought employment)
2015	83% (52 out of 63)	94% (49 out of 52)	2015 Data Pending
5 Year Average	88.4%	90.6%	Previous Average from 2010 80.8% 2015 Data Pending

Radiography Students Functional Abilities Requirements and Technical Standards

The following functional abilities will be necessary to successfully complete the Radiologic Technology and Medical Imaging program. This information is provided to allow the student to assess his/her own capabilities. The functional abilities may be performed with reasonable accommodation. Students with special needs may refer to the New Student Center, the Counseling Services Center and Center for Student Accessibility.

To ensure patient safety throughout the program, the student must be able to:

- Assist in positioning patients who may be comatose, paralyzed, or otherwise incapacitated, from wheelchairs and beds to x-ray tables, and vice versa;
- Position, place, and move heavy equipment including cassettes, portable x-ray machines and overhead equipment such as the x-ray tube mounted on the ceiling;
- Respond to sound and light signals from control panels and exposure switches over distances of up to of 15 feet;
- Respond to sound and light signals to determine and recognize equipment malfunction;
- Determine differences in gradual changes in blacks, grays and whites for purposes of judging radiographs or digital images for technical quality;
- Communicate verbally and in writing in the English language with patients and other health care personnel;
- Fill syringes and enema bags, manipulate locks on imaging equipment;
- Practice effective isolation procedures and maintain the integrity of a sterile field;
- Utilize keyboard and/or bar-coding devices to input clinical data into computer systems;
- Tolerate physical and emotional stress and continue to exercise good judgment and think critically

ADMISSION REQUIREMENTS

- A high school diploma or its equivalent (GED).
- CUNY proficiency in reading, writing and mathematics.
- Pre-requisite for BIO 2311: BIO 1101 AND BIO 1101 Lab, a college-level general biology course with a lab and a minimum grade of “C” or a score of 85 or above on the New York State Regent’s exam. Students lacking the high school course requirement will be required to take BIO 1101. This course must be taken before BIO 2311 and completed with a minimum grade of “C.”

NOTE: Students who are admitted to the College as an Undeclared Health major (UDH) may apply for a change of curriculum to the Radiologic Technology program after they have successfully completed BIO 2311. After completing all pre-requisite courses, students may be selected to start the clinical phase of the program.

- The department does not require a criminal background check, and drug testing. However, the educational requirements include placement of students at hospital training sites. These sites require a **criminal background check** and **drug tests** before and/or during clinical training. If a clinical affiliate determines that a student may not take part in its training program based on the results of a criminal background check and drug tests, the student will be unable to complete the course requirements and to continue in the program (See Appendix N).
- Any student entering the program who has a **misdemeanor**, **felony record** or **conviction** is required to self-disclose to the American Registry of Radiologic Technologists at www.arrt.org or call 651-687-0048 and New York State Department of Health at www.health.state.ny.us, or call 518-402-7570. This must be done either before or upon acceptance to the clinical phase of the program; even if there was a negotiated plea or dismissed sentence. Failure to report this information is considered non-disclosure which is a serious infraction that could result in severe penalties including ineligibility or revocation of certification and registration. See Appendix Y for more information.

PRE-CLINICAL PHASE

To be considered for admission into the clinical phase of the program, a student must demonstrate CUNY proficiency in reading, writing and mathematics; eligibility for MAT 1275, BIO 2311 (Anatomy and Physiology I); successful completion of ENG 1101; and a minimum grade point average of 2.7.

A new or transfer student will be classified as a pre-clinical student. During this phase, the student must take the following courses:

BIO 2311	4 credits Human Anatomy & Physiology I (Lecture and Lab)
BIO 2312	4 credits Human Anatomy & Physiology II (Lecture and Lab)
ENG 1101	3 credits English Composition I
MAT 1275	4 credits College Algebra and Trigonometry
PHIL 2203	3 credits Health Care Ethics
PSY 1101	3 credits Introduction to Psychology
*COM 1330	3 credits Public Speaking

PROGRESSION TO CLINICAL COURSES

The clinical phase of the program starts only in the fall of each year. The class for the clinical phase is selected during the previous spring semester; therefore, a student must be registered at NYCCT and all eligibility requirements must be completed prior to the spring semester. Students will be required to complete the clinical phase of the program within three years.

If the number of students meeting the stated criteria exceeds the available places, seats will be allocated on the basis of academic record and GPA. An index of 2.7 does not guarantee admission into the clinical phase of the program. As the GPA of potential applicants increases, a higher GPA will be needed to qualify.

PERFORMANCE STANDARDS

Once a student is admitted to the clinical phase of the program, he or she must:

- Attend classes in the fall, spring and summer sessions as a full time student from Monday to Friday, 8:30 am to 4:30 pm.
- Submit documented evidence of a complete physical examination demonstrating good health. The Health Examination Form is provided by the department; students are responsible for satisfying NYS immunization and hospital affiliates immunization requirements. Evidence of a negative tuberculin skin test (ppd) and a seasonal flu vaccine are required.
- Maintain a minimum grade of “C” in each course designated with the prefix RAD. Any student earning a grade lower than “C” in a RAD course may not progress in the program without repeating the course and earning a minimum grade of “B-”. No course in the program may be repeated more than once.
- Successfully complete all semester requirements
- Comply with all program and hospital affiliate policies and procedures
- Provide documented evidence of the JRCERT required computer literacy by completing a basic computer course or successful completion of the Self Paced Multimedia Program offered by the Learning Center.
- Maintain the college academic requirement (2.0 GPA) for graduation

NOTE: The number of seats in any course designated RAD is strictly limited. If the number of students seeking to enroll in a course designated RAD exceeds the number of seats, first priority for available seats will be given to eligible students who have not previously enrolled in that course. After all such students have had a reasonable opportunity to enroll, students seeking to repeat the course may be given access to the remaining seats, if any. All students seeking to repeat a given course will be ranked by their numeric final grades in that course, and none will be permitted to enroll until those higher on the list have been given an opportunity. Students who received a grade lower than “C” in two or more RAD courses will be dismissed from the program, as will students whose cumulative averages are below 2.0.

TRANSFER PROCEDURES

Students who wish to transfer into the Radiologic Technology & Medical Imaging program from another college and/or from other college curricula must adhere to all the general admission requirements of the College and department. To be eligible for admission to the clinical phase of the program, transfer students from other colleges must be in good academic standing, not on probation, and not academically dismissed from continuing in the radiologic technology program at previous college(s). **Transfer students from other colleges must be registered at New York City College of Technology for at least one semester prior to being considered for admission to the clinical phase of the program.** Transfer students may not be considered for the clinical phase of the program until they have satisfied all the pre-clinical criteria including a minimum college index of 2.7 and space availability.

Because of capacity limitations, students who have completed the prerequisite courses with the minimum 2.7 index or higher will be numerically ranked and seats will be allocated on the basis of the highest cumulative average in the introductory sequence. Due to the high number of applicants to the clinical phase of the program in the past two years, the average GPA, for acceptance to the program has been approximately 3.5 or higher.

RE-ADMISSION TO RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING

Students who have not registered for the Radiologic Technology & Medical Imaging program for two consecutive semesters will be admitted on a space-available basis with a minimum GPA of 2.7.

APPROXIMATE ADDITIONAL COSTS

Students in the Rad Tech program will be required to purchase textbooks and incur the following additional expenses:

- Film badge monitoring service: \$20 per year paid at the beginning of the first and third semesters.
- Professional liability coverage for the minimum limits of \$1,000,000 each for professional and personal liability: \$15 per year paid at the beginning of the second and fourth semesters.
- Trajecsys Web-Based Clinical Recordkeeping for Health Education Programs: \$150 paid at the beginning of the first semester.
- Estimated textbook fees of \$1,000 over a two-year period.
- Lab coat for radiographic procedures courses: \$22.
- Uniform, shoes and additional lab coat for the clinical education course: \$100 or more at the beginning of the second semester. (Uniforms and lab coats must have the department emblem on the left sleeve.)
- Pinning fee, \$125.
- The American Registry of Radiologic Technologists (ARRT) application fee is \$200.
- The New York State Department of Health (NYSDOH) license and application fee is \$120.

See college catalog for tuition and additional fees.

ASSOCIATE DEGREE REQUIREMENTS

The college will grant an associate in applied science degree (A.A.S.) with a major in radiologic technology and medical imaging upon satisfactory completion of the required courses listed below with a minimum of 65 credits.

REQUIRED COURSES IN THE MAJOR		CREDITS
RAD 1124	Introduction to Radiologic Technology	1
RAD 1125	Radiographic Procedures I	2
RAD 1126	Image Production and Evaluation I	2
RAD 1127	Patient Care and Management	2
RAD 1128	Radiation Protection and Applied Radiobiology	2
RAD 1225	Radiographic Procedures II	2
RAD 1226	Image Production and Evaluation II	2
RAD 1227	Radiographic Pathology	3
RAD 1228	Clinical Education I	2
RAD 1229	Clinical Education II	3
RAD 2325	Radiographic Procedures III	2
RAD 2326	Radiographic Physics	2
RAD 2327	Cross-Sectional Anatomy	2
RAD 2328	Clinical Education III	3
RAD 2425	Advanced Radiographic Studies	2
RAD 2426	Imaging Modalities	2
RAD 2427	Seminar: Film Critique	2
RAD 2428	Clinical Education IV	3
RAD 2429	Clinical Education V	2
*COM 1330	Public Speaking	3
	Subtotal	44

*Note: COM 1330 is a prerequisite course and must be taken prior to the clinical phase of the program.

OTHER REQUIRED COURSES:

BIO 2311	Human Anatomy and Physiology I	(required core)	4
BIO 2312	Human Anatomy and Physiology II	(flexible core)	4
ENG 1101	English Composition I	(required core)	3
MAT 1275	College Algebra and Trigonometry	(required core)	4
	Or higher		
PHIL 2203	Health Care Ethics	(flexible core)	3
PSY 1101	Introduction to Psychology	(flexible core)	3
	Subtotal		21

TOTAL CREDITS REQUIRED FOR THE DEGREE 65

1. Although students enrolled in AAS programs are not required to meet all of the CUNY Pathways requirements, the college and program general education requirements are organized by Pathways categories to inform students of their standing should they transfer to a CUNY baccalaureate program.
2. Specific courses listed are degree requirements that also meet CUNY Pathways general education requirements in that category.
3. Students who elect to take MAT 1275 without the requisite math background will be required to take MAT 1175 in preparation, depending upon initial placement. This will increase the number of required credits for the degree by 4.

Associate Degree Requirements (continued)

4. *Students without requisite science background for BIO 2311 will be required to take BIO 1101 in preparation. This will increase the number of credits required for the degree by 4.*
5. *A semester-specific list of writing intensive courses is available online at the City Tech Pathways website.*

1.0 CLINICAL EDUCATION COURSES

A student must successfully complete all clinical objectives and course requirements to receive a passing grade. A student can be removed from the clinical site for any unprofessional behavior such as a serious infraction of hospital rules and regulations or endangering a patient's safety or life. This will be determined by the hospital and/or faculty and could result in a failing grade. Any clinical absences that exceed college and department policy will result in a failing grade in the class.

1.1 Course Sequence

<u>Course Code</u>	<u>Semester</u>	<u>Title</u>	<u>Hrs/Week</u>	<u>Credits</u>
RAD 1228	Spring	Clinical Education I	13	2
RAD 1229	Summer	Clinical Education II	32.5	3
			(7 weeks)	
RAD 2328	Fall	Clinical Education III	19.5	3
RAD 2428	Spring	Clinical Education IV	19.5	3
RAD 2429	Summer	Clinical Education V	32.5	2
			(5 weeks)	

1.2 Clinical Rotation Schedule

Students rotate through two clinical affiliations during the two years. They do not enter the clinical component until they have successfully completed the first semester of the program. The first semester which includes didactic classes and energized laboratory activities prepares students for their clinical experience. The first clinical rotation extends from the beginning of the second semester to the end of the first summer. The second clinical rotation extends from the beginning of the third semester to the end of the summer of the following year.

2.0 CLINICAL EDUCATION ELIGIBILITY

- 2.1 In order to be assigned to clinical education courses and to continue the assignment, the student must meet the following requirements:
 - 2.1.2 Be a matriculated student in the radiologic technology and medical imaging program.
 - 2.1.3 Maintain a grade of "C" or better in all radiologic technology courses and a cumulative GPA of 2.5 or better.

1.0 CLINICAL EDUCATION HOURS

1.1 Clinical education hours are 8:30 a.m. to 3:30 p.m.

4.0 CLINICAL ATTENDANCE REGULATIONS

- 4.1 Each student is required to complete the number of clinical hours needed to achieve and demonstrate competence in the required standard clinical procedures. This requirement is mandated by the New York State Department of Health and the American Registry of Radiologic Technologists. Completion of clinical education is one requirement for eligibility to take the state licensure and American Registry examinations. The amount of time required to demonstrate competence may vary from student to student.
- 4.2 Hours of attendance are 8:30 a.m. to 3:30 p.m. These hours will not be adjusted for the student's work schedule. All students must sign in when they arrive and sign out when they leave. No clinical credit will be given if the student's signature is not on the attendance sheet.
- 4.3 If a student is going to be absent from clinical practice, it is the student's responsibility to telephone the appropriate individual at the hospital. If the hospital supervisor cannot be reached, then the program office should be notified.
- 4.4 A student may be absent for 10% of the assigned days during the semester without penalty. For example, a student in a 45 day clinical course may be absent for 4 days without penalty. **For each day of absence in excess of the permitted number, the clinical course grade will be lowered one full letter grade.** If this procedure results in a "D" or "F" grade, the student will not be allowed to progress to the next semester of the Rad Tech program. Readmission to the program in the following year will be considered only if space is available. If a student arrives to clinic 15 minutes late or more, that is equal to one lateness. Every two latenesses will be treated as one absence. **Extended absences due to extenuating circumstances will be handled on an individual basis. Documentation of the cause of an extended absence will be required.**
- 4.5 The student must notify the clinical site if he or she anticipates being late. If the student is scheduled to report to the clinical site at 8:30 am, the clinical site must be notified no later than 15 minutes after 8:30 am. A student who arrives 15 minutes late for clinical must make up the missed times the same day. A student is permitted three late arrivals per semester. **If late arrivals exceed the above, a conference will be held with appropriate faculty to discuss the situation. Continued lateness will result in suspension from the program.**
- 4.6 A student who wishes to leave the hospital early on a single specific day must fill out a permission request form and submit it to the college for approval prior to the day when early dismissal is requested. Hospital personnel may not dismiss a student without an approved permission request form. In case of emergency, telephone permission may be required from the college by any hospital supervisor.

Clinical Attendance Regulations (continued)

- 4.7 Students may attend clinic only on their scheduled class days. Students cannot be present at their assigned clinical site on any day between the hours of 3:30 p.m. and 8:30 a.m., weekends, evenings, nights, or hospital holidays without permission from both the clinical coordinator and a hospital supervisor. First Year Students may attend only on scheduled class days. Second Year Students may request permission from the faculty coordinator to attend during off-school hours. Attendance on these days will serve only to continue the student's progress toward competent performance. It will not compensate for absences on the regular school calendar days.

5.0 HOSPITAL RULES AND REGULATIONS

- 5.1 Radiography students are subject to all rules and regulations of the hospital affiliate. The hospital affiliate has the right to deny or dismiss a student for failing to abide by its rules and regulations. Once clinical training is denied or dismissed, students will not be able to complete their coursework and continue in the program.
- 5.2 Students are required to attend a mandatory orientation at the hospital before commencing or at the start of the clinical internship.
- 5.3 The student is not allowed to engage in any type of altercation with clinical staff, hospital personnel or another student on hospital premises. The clinical affiliate has the right to dismiss any student who demonstrates a breach of rules or displays unethical behavior.

If a student is dismissed from a clinical affiliate for disciplinary reasons, or the results of a background check, the student may appeal the decision through the department chair. The department chair will investigate on the student's behalf and attempt to resolve the matter. However, the affiliate shall have priority in determining if a student is permitted to return to the clinical part of the program at that affiliate.

(See Grounds for Dismissal and Clinical Dismissal Policy, Appendices T and U.)

6.0 STUDENT RIGHT TO APPEAL

- 6.1 As members of the college community all students have certain responsibilities, rights, and standards of conduct that must be met while on campus and at the clinical affiliate.

(See Due Process Procedures, Appendix V.)

7.0 **PROFESSIONAL LIABILITY INSURANCE**

- 7.1 All students are required to purchase professional liability insurance. The insurance must be in effect at the time of the first clinical assignment and must be renewed for the second year. The student must be covered at all times during clinical practice.
- 7.2 Certification of the insurance policy must be on file in the program office.

8.0 **STUDENT HEALTH REQUIREMENTS**

- 8.1 Students in the program are required to submit documented evidence of a recently completed physical examination demonstrating good health. Health examination forms (Appendix M) will be provided by the Radiologic Technology & Medical Imaging Department. Evidence of required immunization must be provided and a documented negative tuberculin skin test (PPD) must be submitted annually. The department does not require Hepatitis B and Flu vaccines. However, the clinical affiliate requires all students to present proof of immunity to both.
- 8.2 Students who test positive for PPD must submit evidence of a normal chest radiograph.
- 8.3 The affiliated hospitals require testing for substance abuse or other illness prior to or during the student's clinical assignment. Students must be medically cleared in order to commence or participate in the clinical internship program.
- 8.4 Students must abide by all hospital policies, including mandatory orientation/s and the communicable disease policy of the hospital. Students are expected to act responsibly to prevent the possible spread of disease that pose a reasonable risk or harm to the patients, staff and fellow students.
- 8.5 A student infected with a communicable disease can continue as long as the student can perform regular responsibilities satisfactorily and so long as the best available medical evidence indicates that his/her continued status does not present a health or safety threat to self or others.

An infected student returning to school after a leave of absence for reasons related to a communicable disease must submit a statement from his/her treating physician indicating current status to the Department Chairperson.
- 8.6 Any student who suspects he/she has been exposed to or contracted a communicable disease must notify the chairperson immediately. The student will be referred to the College Student Health Services Center.
- 8.7 All information on the above examinations is kept in confidence by the hospital and the college. The college adheres to the Department of Health and Mental Health Guidelines.

9.0 **HOSPITAL STRIKE/JOB ACTION**

- 9.1 No student is permitted to participate in any strike or job action while on clinical duty.
- 9.2 Any time there is a strike or job action, the student should contact the program office for directions.
- 9.3 At no time should a student attempt to cross a picket line to enter the hospital.

10.0 **DRESS CODE POLICY**

10.1 Students are expected to present a professional appearance at all times in the classrooms, labs and clinical. Although the clinical and lab uniforms are not required in the classroom, students must dress in a dignified and caring manner that is consistent with the School of Professional Studies that we are a part of. It is also expected that all students practice good personal hygiene habits.

10.2 Laboratory Uniform

10.2.1 The laboratory uniform includes a white consultation jacket with long sleeves, and a Rad Tech emblem on the upper left sleeve.

10.2.2 A name radiation monitoring device placed at collar level is required in the lab at all times.

10.3 Clinical Uniform

10.3.1 The clinical uniform is a white blazer length consultation jacket with long sleeves and a Rad Tech emblem on the upper left sleeve, royal blue scrub top and pants or skirt.

10.3.2 White uniform shoes or all white sneakers are required. No high heeled shoes or clogs are permitted. Shoes and sneakers must be polished regularly.

10.3.3 The hairstyle for females must be neat in appearance. Long hair must be worn up or tied back off the face and shoulders. Hairstyle for males should be no longer than uniform collar and neat in appearance. Moustache, beards, and sideburns must be trimmed and neat.

10.3.4 No excessive jewelry or makeup is permitted. Nail polish must be of natural color. Strong fragrances such as cologne, perfumes etc. are not permitted.

10.3.5 Students must wear the form of identification which is required by the affiliated hospital. In addition, each student is required to wear a name radiation monitoring device which includes the words "student radiographer."

11.0 RADIATION PROTECTION POLICIES AND PROCEDURES

- 11.1 A student is expected to exercise sound radiation protection practices at all times. At no time should a student participate in a procedure that exhibits unsafe protection practices.
- 11.2 The student has full responsibility for wearing the radiation monitoring device in the hospital and at school for all laboratory classes. No student will be allowed in the clinical area or in laboratory classes without a radiation monitoring device.
- 11.3 Any accidents with the radiation monitoring device or loss of the radiation monitoring device must be immediately reported to the department.
- 11.4 The student is responsible for returning his/her radiation monitoring device at the specified change period.
- 11.5.1 The student must read and initial the monthly radiation exposure report within three (3) weeks of its receipt by the department.
- 11.6 Student radiation monitoring is conducted by Landauer. If a dosimetry report indicates that a student has exceeded the annual dose limit of 50 mrem, the following steps are required:
- Step 1. The student will meet with the chairperson to review and discuss the Landauer dosimetry report and to determine the possible source of the excess radiation exposure.
- Step 2. The chairperson will contact the clinical associate and the physicist at the clinical affiliate to discuss the Landauer dosimetry report.
- Step 3. The physicist will meet with the student and investigate the source of the excessive radiation exposure.
- Step 4. Following the physicist's investigation, a report will be submitted to the clinical associate and the chairperson of the program. The chairperson, physicist and clinical associate will discuss the outcome and what course of action should be taken.
- Step 5. The student will be counseled by the physicist, clinical associate and the chairperson.

This policy follows the guidelines of the following agencies:

- Dose Limits Recommended by the National Council on Radiation Protection Measurements, *Bushong, Stewart C. Radiologic Science for Technologists; Physics, Biology, and Protection, 10th Edition. Mosby, 2013.*

Radiation Protection Policies and Procedures (continued)

- New York State Department of Health, Bureau of Environmental Radiation Protection, Ionizing Radiation
- U.S. Nuclear Regulatory Commission, Regulation Guide 8.13.

12.0 PREGNANCY POLICY

- 12.1 A student who becomes pregnant may voluntarily disclose her pregnancy in writing to the chairperson of the department. Confirmation by a physician is not required. If such disclosure is made, the Nuclear Regulatory Commission requires that action be taken to limit the total radiation exposure of the embryo/fetus to 0.5 rem (5 mSv).

This is one-tenth of the dose limit that an adult worker/student may receive in a year. The purpose of the lower limit is to protect the unborn child. Information about Prenatal Radiation Exposure to the possible developmental effects of low-level radiation is available from the chairperson. Should further information be requested, the student will be referred to: *Radiologic Science for Technologists, Physics, Biology, and Protection, 10th edition. Stewart C. Bushong Chapter 34. Stochastic Effects of Radiation, pages 530-534 and the U.S.N.R.C. Regulatory Guide 8.13 pages 1-8.*

- 12.2 After consultation with the department chairperson, the "declared pregnant" student is expected to select one of the following options:
- 12.2.1 She may continue in both the clinical and didactic portions of the program with no adjustment in clinical assignment with approval of the clinical affiliation. She will be expected to adhere strictly to all radiation safety requirements, including the wearing of personnel monitoring devices.
- 12.2.2 She may withdraw from clinical courses, while continuing her didactic education. In that case, she will be required to fulfill the clinical requirements after delivery. This procedure will extend the duration of the program for the student, and may necessitate repeating a clinical education course. A pregnant student registered for departmental courses which have energized labs will be monitored for fetal dose exposure.
- 12.2.3 She may request a leave of absence from all courses with the expectation that she will resume her education after delivery. Readmission to the program will be on a space-available basis and requires that the student withdrew in good standing.

Pregnancy Policy (continued)

12.2.4 Once the pregnancy has been declared, the student has the option of withdrawing her declaration at any time. If she chooses to withdraw her declaration, she must inform the department chairperson in writing of her decision. She will be encouraged to meet with the department chairperson regarding her decision. Any discussion between the chairperson and the student would be instructional, informational and confidential.

Note the following:

- **If the student chooses not to declare her pregnancy, or if a declared pregnancy is withdrawn, none of the above options will be in effect.**
- **The lower dose limit applies to declared pregnancies only.**

13.0 CLINICAL EVALUATION PROCEDURES

Evaluation of the student's clinical performance is necessary in order to assure meaningful participation, to assess the acquisition of skills and knowledge, and to identify areas for further growth (see Appendices A and B). A specified level of competence is required for progression within the program and for graduation. The clinical performance of students in the program is evaluated in the following ways:

13.1 Clinical Competency Requirements

The student is required to complete the following clinical competency evaluations as indicated by the ARRT:

- | | |
|----|--|
| 6 | Mandatory General Patient Care Activities |
| 31 | Mandatory Imaging Procedures |
| 15 | Elective Imaging Procedures from a List of 35 |
| 1 | Elective Imaging Procedure from the Head Section |
| 2 | Elective Imaging Procedures from the Fluoroscopy Studies Section;
(one of these must be either an Upper GI or a Barium Enema) |

Radiographic Examination Categories on Adults and Pediatrics:

1. Thorax
2. Abdomen
3. Upper & Lower extremities
4. Spine and pelvis
5. Fluoroscopy Studies
6. Head & neck
7. Special Studies (Myelo, Cysto, Arthro)
8. Mobile and Surgical
9. Spine and Pelvis

Clinical Evaluation Procedures (continued)

Special Area Rotations:

1. CT
2. MRI
3. OR
4. Special Procedures
5. Portables

Mandatory Patient Care Simulations

1. CPR
2. Vital Signs (blood pressure, pulse, temperature, respiration)
3. Venipuncture
4. Sterile and Aseptic Technique
5. Transfer of Patient
6. Care of Patient Medical Equipment (oxygen tank, IV tubing)

NOTE: Trauma and pediatric categories may be completed concurrently with an examination category, if the opportunity arises. Mammography competency for both male and female students will be evaluated in simulation, using the dedicated mammography equipment in the college laboratory.

There will be circumstances where the professional expertise of the faculty must prevail in order to ensure the safety of the patient or student. Under these circumstances, the student will be interrupted or removed from a procedure. Examples of such behavior include selection of the wrong patient or wrong examination, and situations which threaten the health or safety of the patient and/or student.

If a student does not receive a grade of 70% or better on a competency evaluation, he or she must repeat the category on another occasion. A student who has made two unsuccessful attempts to demonstrate competency in a category will be required to perform the following remediation activities. The program director may then give permission for the student to attempt the category competency for a third time. A student who has failed a category for the third time will be considered for dismissal from the program.

Remediation activities: A student who has failed a clinical competency evaluation for the second time must do the following (all activities must be documented):

1. Review the slide-tape presentations on all of the examinations in the category. This activity must be documented by a member of the radiologic technology faculty or staff.
2. Submit to the designated instructor a written summary of the positioning and department protocol for each of the examinations in the category. A format will be provided by the department.

Clinical Evaluation Procedures (continued)

3. Satisfactorily perform, in college laboratory simulation, a representative number of positions/projections from the category, as specified by the program director.
4. Correctly identify and critique representative radiographs from the examination in question.
5. Perform other remediation/review activities related to the specific area of incompetence, as required by the program director.

13.2 Student Professional Growth and Development (SPGD) Report

A global evaluation by college faculty and the clinical associate at the hospital, indicating their perceptions of student professionalism and interpersonal skills. This evaluation is discussed with the student at the mid-semester conference in order to assist the student to improve in those areas. At the end of each clinical course, a graded SPGD constitutes a percentage of the clinical course grade (See Appendices F and G).

14.0 CLINICAL COMPETENCY EVALUATION CRITERIA

Clinical evaluation is based on the following criteria:

- 14.1 Performance Evaluation
- 14.2 Image Evaluation

(See Clinical Competency Evaluation Form Appendix B)

15.0 ROOM ASSIGNMENTS

Assignment to the various radiographic areas at the hospital will be based on the student's didactic education and level of experience. The following assignments will be included in the clinical courses:

- | | |
|----------|--|
| RAD 1228 | General Radiography, ER, BE/GI, IVP, Portable |
| RAD 1229 | Any of the above plus ER/Trauma |
| RAD 2328 | Any of the above plus OR and CT. |
| RAD 2428 | Any of the above plus special procedures |
| RAD 2429 | Any of the above plus rotations to MRI for students who have completed all requirements. |

16.0 OTHER CLINICAL ACTIVITIES

The fall and spring clinical courses include a requirement for oral presentations on a subject of clinical interest in radiography. The experience of preparing these presentations is expected to improve the student's familiarity with the literature, and to help develop writing skills, and communicating clinical information.

16.1 **Clinical Case Presentation**

RAD 1228, RAD 2328, RAD 2428: The case presentation includes an oral presentation to classmates and the instructor at the clinical sites and a written report. The student is expected to follow the guidelines furnished by the department.

17.0 DETERMINATION OF CLINICAL COURSE GRADE

Grades in clinical courses are determined according to the following formula:

<u>RAD 1228:</u>	Simulations (Pass/Fail only)	(2)
	Competency Evaluations	60%
	Professional Growth and Development Report	20%
	Clinical Case Presentation	20%
<u>RAD 1229:</u>	Simulations (Pass/Fail)	(3)
	Competency Evaluations	70%
	Professional Growth and Development Report	30%
<u>RAD 2328:</u>	Simulations (Pass/Fail)	(3)
	Competency Evaluations	60%
	Professional Growth and Development Report	20%
	Clinical Case Presentation	20%
<u>RAD 2428:</u>	Simulations (Pass/Fail)	(3)
	Competency Evaluations	60%
	Professional Growth and Development Report	20%
	Clinical Case Presentation	20%
<u>RAD 2429:</u>	Simulations (Pass/Fail)	(4)
	Competency Evaluations	50%
	Professional Growth and Development Report	30%
	Cover Letter, Resume and Follow-up Letter	20%

18.0 STUDENT CLINICAL SUPERVISION AND RADIOGRAPHIC REPEAT POLICY

As mandated by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and the New York State Department of Health, students in clinical practice shall be supervised according to the following guidelines:

18.1 Direct Supervision:

Until students achieve the program's required competency in a given procedure, all clinical assignments shall be carried out under the direct supervision of qualified radiographers. Following are the parameters of direct supervision (See Appendix H):

18.1.1 A qualified radiographer reviews the procedure in relation to the student's achievement.

18.1.2 A qualified radiographer evaluates the condition of the patient in relation to the student's knowledge.

18.1.3 A qualified radiographer is present during the conduct of every part of the examination.

18.1.4 A qualified radiographer reviews and approves the procedure.

18.2 Indirect Supervision:

After demonstrating competency, students may be permitted to perform procedures with indirect supervision. Indirect supervision is defined as supervision provided by a qualified radiographer immediately available to assist students regardless of the level of student achievement. Immediately available is interpreted as the presence of a qualified radiographer adjacent to the room or location where a radiographic procedure is being performed. Should the student require assistance or intervention, she/he can simply call out to the radiographer who will provide immediate help. This availability applies to all areas where ionizing radiation equipment is in use (See Appendix I).

18.3 Radiographic Repeat Policy:

Unsatisfactory radiographs shall be repeated only in the presence of a qualified radiographer, regardless of the student's level of competence. Students who do not adhere to this policy will be subject to disciplinary action (See Appendix I).

19.0 CLINICAL INCIDENT POLICY

Students who are involved in an injury or safety violation during their clinical assignments must complete the official report required by the clinical affiliates. The student and clinical instructor or clinical supervisor must sign the report. A copy of the incident report should be forwarded to the Department Chairperson or Clinical Coordinator. The report will be filed in the student's record.

20.0 REGULATORY AGENCIES

ACCREDITATION:

The Radiologic Technology & Medical Imaging Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The program has an eight-year accreditation status: 2007-2015.

Joint Review Committee on Education in Radiologic Technology (JRCERT)

20 North Wacker Drive – Suite 2850
Chicago, IL 60606-3182
(312) 704 5300
www.jrcert.org

CURRICULUM:

The Radiologic Technology & Medical Imaging Program follows the approved curriculum developed by the American Society of Radiologic Technologists.

American Society of Radiologic Technologists (ASRT)

1500 Central Avenue, SE
Albuquerque, NM 87123-3917
(505) 298-4500
communications@asrt.org
www.asrt.org

CERTIFICATION:

The National Certification and Licensure Exam is administered by the American Registry of Radiologic Technologists (ARRT) and New York State Department of Health (NYSDOH). Students who successfully complete all RT program requirements are eligible to sit for this exam (see additional eligibility requirements in Appendix Y). Graduates of the program usually sit for the exam in July.

American Registry of Radiologic Technologists (ARRT)

1255 Northland Drive
St. Paul, Minnesota 55120-1155 USA
Phone (651) 687 0048
www.arrt.org

LICENSURE:

Any student entering the Radiologic Technology & Medical Imaging program who has a felony record should notify the New York State Department of Health (see contact information below) and the American Registry of Radiologic Technologists (see information on previous page) for clarification of his or her eligibility for licensing/certification.

New York State Department of Health (NYSDOH)

Bureau of Radiation Protection
ESP, Corning Tower, 12th Floor
Albany, NY 12180-2216
Phone (518) 402 7570
www.health.state.ny.us

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Appendices

**New York City College of Technology
Radiologic Technology & Medical Imaging**

CLINICAL DATA SHEET

Student: _____

Date: _____

THORAX	Mandatory	Elective	Date Completed	Instructor	Grade	P/S
Chest, routine (PA and Lat.)	Mandatory					
Chest, age 6 or younger	Mandatory					
Upper Airway (Soft-Tissue Neck)		Elective				
Chest AP wheelchair or stretcher	Mandatory					
Ribs	Mandatory					
Chest lateral decubitus		Elective				
Sternum		Elective				
ABDOMEN						
Abdomen, supine (KUB)	Mandatory					
Abdomen, Upright	Mandatory					
Abdomen Decubitus		Elective				
Intravenous Urography		Elective				
EXTREMITIES						
Finger or Thumb	Mandatory					
Hand	Mandatory					
Wrist	Mandatory					
Forearm	Mandatory					
Elbow	Mandatory					
Humerus	Mandatory					
Shoulder	Mandatory					
Foot	Mandatory					
Ankle	Mandatory					
Tibia and Fibia	Mandatory					
Knee	Mandatory					
Femur	Mandatory					
Trauma lower Ext.	Mandatory					
Trauma upper Ext. non shoulder	Mandatory					
Trauma Shoulder = (Y or Transthor Trauma Sh	Mandatory					
Upper Extremity, age 6 and younger		Elective				
Lower Extremity, age 6 and younger		Elective				
Scapula		Elective				
Clavicle		Elective				
Acromioclavicular Joints		Elective				
Patella		Elective				
Toes		Elective				
Os Calcis		Elective				

SPINE AND PELVIS	Mandatory	Elective	Date Completed	Instructor	Grade	P/S
Cervical Spine	Mandatory					
Trauma C- Spine (Cross t Lat)	Elective					
Thoracic Spine	Mandatory					
Lumbar Spine	Mandatory					
Pelvis	Mandatory					
Hip	Mandatory					
Trauma Hip (Cross-table Lat.)	Mandatory					
Scoliosis Series		Elective				
Sacrum and/or Coccyx		Elective				
Sacroiliac Joints		Elective				
FLUOROSCOPY STUDIES Candidates must select either Upper GI or BE plus one other elective procedure from this section.						
Upper G.I. (single or double)		Elective				
Barium Enema (single or double)		Elective				
Small Bowel Series		Elective				
Esophagus		Elective				
ERCP		Elective				
HEAD AND NECK Head: Candidates must select at least one elective from this sections						
Skull		Elective				
Paranasal Sinuses		Elective				
Nasal Bones		Elective				
Facial Bones		Elective				
Orbits		Elective				
Zygomatic Arches		Elective				
Mandible		Elective				
SPECIAL STUDIES						
Myelography		Elective				
Cystography or Cystourethrography		Elective				
Arthrography		Elective				
MOBILE AND SURGICAL						
Portable Chest	Mandatory					
Portable Abdomen	Mandatory					
Portable Orthopedics	Mandatory					
C-Arm Procedure (non ortho)		Elective				
Mobile Study, age 6 or und.		Elective				
C-Arm Procedure (Ortho)	Mandatory					

SPECIAL AREA ROTATIONS			Date Completed	Instructor			
CT							
MRI							
OR							
SPECIAL PROCEDURES							
PORTABLES							
Student spent a minimum of two weeks in each area, supervised by a technologist.							
MANDATORY PATIENT CARE SIMULATIONS			Date Completed	Instructor		Pass /Fail	
CPR							
Vital Signs (Blood Pressure, Pulse, Temperature, Respiration)							
Venipuncture							
Sterile and Aseptic technique							
Transfer of patient							
Care of patient medical equipment							
FAILED COMPETENCIES	Mandatory	Elective	Date Completed	Instructor		Grade	P/S
* Note: Clinical Competency Requirements, as of January 1, 2014:							
• Six (6) mandatory general patient care activities.							
• Thirty-one (31) mandatory imaging procedures.							
• Fifteen (15) elective imaging procedures to be selected from a list of 35 procedures.							
• One (1) elective imaging procedure from the head section.							
• Two (2) elective imaging procedures from the fluoroscopy studies section, one of which must be either an Upper GI or a Barium Enema.							
• Electives may be demonstrated on patients or phantoms or as simulations.							

New York City College of Technology
Department of Radiologic Technology & Medical Imaging
CLINICAL COMPETENCY EVALUATION

Student:	Date:
Evaluator:	Exam:
Patient: Yes: _____ No: _____	Simulation: Yes: _____ No: _____
Numeric Grade:	Grade of Pass: _____ Fail: _____

The student will notify the evaluator when ready to perform clinical competency. The examination procedure will be monitored by the evaluator from beginning to the end.

Please use the back of the form to document full detail of student's performance (total 74%). Transfer point deductions to this page, then evaluate student's ability to critique his/her radiographic work (26 points). Calculate competency grade based on a 100% scale.

Automatic Failure: Enter a grade of 0%:

1. Student selected wrong patient.
2. Student selected wrong part.
3. Student's action requires serious intervention.
4. 2 or more Repeat. Note: Also for exams with only 1 view as protocol; ie.: ABD and Pelvis.

PERFORMANCE EVALUATION	Maximum Points	POSITION/PROJECTION					Total Points
		AP/PA	LATERAL				
Projections/Views		AP/PA	LATERAL				
A. Evaluation of Requisition	6						
B. Physical Facilities Readiness	8						
C. Patient Care	12						
D. Equipment Operation	10						
E. Positioning Skills	32						
F. Radiation Protection	6						
						Total	
IMAGE EVALUATION							
Projections/Views		AP/PA	LATERAL				
G. Proper Positioning or Errors	5						
H. Anatomical Part(s) Identification	5						
I. Part, IR and Tube Alignment	5						
J. Technique Factors	5						
K. Identify Radiation Protection (Collimation/Shield)	4						
L. Patient Info./Marking of Anatomy	2						
						Total	
						Grand Total	

Evaluator's Comments: _____

Evaluator's Signature: _____ Date: _____

Student's Comments: _____

Student's Signature: _____ Date: _____

Clinical Competency Evaluation Details

Student: _____

Exam: _____

The evaluator will mark each area with a (✓) to indicate **Pass** or a (✗) to indicate **Fail** or **Need Improvement** for each of the sections below. This competency evaluation form has been designed for evaluating a maximum of five projections/positions per radiographic procedure (i.e., L/S Spine: AP, lateral, LPO, RPO, L5/S1).

Note: This section provides details for the performance evaluation part only (74%).

	AP	Lat				(-) POINTS
A. Evaluation of Requisition: 6 points						
1. Interpreted request and procedure to be performed.						
2. Identified the patient's name, age and pathological condition.						
3. Identified body part to be examined.						
B. Physical Facility Readiness: 8 points						
1. Disinfect and prepared room with fresh linen.						
2. Prepared all related materials/supplies.						
3. Acquired/documented appropriate clinical patient history.						
4. Clean/disinfect or sterilized room and equipment for next exam.						
C. Patient Care: 12 points						
1. Introduced her/himself to the patient.						
2. Provided brief description of procedure.						
3. Verified if patient was properly prepared for the examination.						
4. Provided appropriate assistance to radiographic table/upright bucky based on patient's condition.						
5. Communicated to patient in a concerned, professional manner.						
6. Used aseptic or sterile technique as required or necessary.						
D. Equipment Operation: 10 points						
1. On the console, Selected specified parameters for the exam.						
2. Identified and used appropriate equipment locks and controls.						
3. Selected appropriate SID (FFD).						
4. Selected the correct exposure factors.						
5. Placed appropriate anatomical marker(s).						
E. Positioning Skills: 32						
1. Performed exam in an organized manner and logical sequence.						
2. Positioned the patient's body comfortably.						
3. Positioned the part appropriately.						
4. Aligned center of part to the center of the image receptor.						
5. Aligned x-ray tube to the center of anatomy.						
6. Aligned x-ray tube to image receptor.						
7. Set the correct tube angle.						
8. Gave appropriate instruction to patient before the exposure.						
F. Radiation Protection: 6 points						
1. Collimated to area of interest.						
2. Used gonadal shielding when appropriate.						
3. Adjusted exposure factors for motion, pathology or patient size when appropriate.						
Repeat = -5 points (only 1 repeat allowed per exam with 2 or more views as protocol)						
	Total point deduction: _____					

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

SIMULATION LIST

Semester	Exam	Views
Junior Year		
Spring		
RAD 1228	Clavicle Scapula	AP and AP Axial AP and Y View
Summer		
RAD 1229	Patella Calcaneus Esophagus or SBS	PA (AP), Sunrise, and Lateral Axial and Lateral AP/PA, Oblique

Senior Year		
Fall		
RAD 2328	Sternum Sacrum/Coccyx BE or UGI	RAO and Lateral AP and Lateral BE-AP, AP axial, LPO, RPO L/R Decubitus, Lateral UGI-AP, RAO, Lateral
Spring		
RAD 2428	Skull Facial Bones C-Arm	AP, Caldwell, Townes and Lateral Caldwell, Waters, and Lateral Exam of Choice
Summer		
RAD 2429	Upper Extremity, (age 6 and younger) Ribs Sinuses Mandible	AP/Lat AP (Superior and Inferior) and Oblique Caldwell, Waters and Lateral AP(PA) and Axiolateral / Axiolateral Oblique

Revised: August 2012

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

EQUIPMENT OPERATION CHECKLIST

DATE: _____

STUDENT _____

STUDENT SIGNATURE _____

INSTRUCTOR _____

INSTRUCTOR SIGNATURE _____

	YES	NO	N/A	<u>COMMENTS</u>
A. <u>TUBE STAND</u>				
1. Vertical				
2. Longitudinal				
3. Transverse				
4. Center Index				
5. Rotation				
B. <u>COLLIMATOR</u>				
1. Light				
2. Field Size (Manual)				
3. Field Size (Automatic)				
4. Centering to Cassette				
C. <u>TABLE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>	<u>COMMENTS</u>
1. Longitudinal				
2. Transverse				
3. Auto Center				
4. Bucky Lock				
5. Tray Lock				
D. <u>VERTICAL CASSETTE HOLDER</u>				
1. Vertical				
2. Tray Lock				

E. CONTROL CONSOLE

1. Wall Main Switch
2. On/Off Switch
3. mA
4. KV
5. Manual Timer
6. Phototimer
 - a. Mode Select
 - b. Field Select
 - c. Density Control
7. Ready/Rotate
8. Expose

--	--	--

COMMENTS

ASSIGNMENT

CUNY - NEW YORK CITY COLLEGE OF TECHNOLOGY
DEPARTMENT OF RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING

Mid Semester
PROFESSIONAL GROWTH AND DEVELOPMENT (PGD)

Student's Name	Clinical Site
Instructor's Name	RAD <u> </u> / <u> </u> Course# / Section #
	Date

INSTRUCTOR: Assign a "P" for Pass, "NI" for Needs Improvement, or "U" for Unsatisfactory for the items below, no later than week 8 during the semester. Assign a grade of Pass or Fail below. Discuss this evaluation with the student and obtain any feedback.

The student:		Strongly disagree	Disagree	Agree	Strongly agree	Score
1.	Appears professional in clinical attire and manner.	Strongly disagree	Disagree	Agree	Strongly agree	
2.	Is usually punctual and remain in assigned area.	Strongly disagree	Disagree	Agree	Strongly agree	
3.	Shows initiative in seeking educational opportunities and experience.	Strongly disagree	Disagree	Agree	Strongly agree	
4.	Demonstrates respectful and cooperative attitude in working with students, staff and supervisors.	Strongly disagree	Disagree	Agree	Strongly agree	
5.	Follows instructions accurately; asks for advice and assistance when needed and when performing repeat radiographs.	Strongly disagree	Disagree	Agree	Strongly agree	
6.	Demonstrates mature ability to accept responsibility for actions; accepts and acts on constructive criticism.	Strongly disagree	Disagree	Agree	Strongly agree	
7.	Communicates clearly and understandably with patients, staff and supervisors.	Strongly disagree	Disagree	Agree	Strongly agree	
8.	Shows respect and concern for patients at all times.	Strongly disagree	Disagree	Agree	Strongly agree	
9.	Performs with organization, efficiency and knowledge appropriate to level of clinical experience.	Strongly disagree	Disagree	Agree	Strongly agree	
10.	Shows flexibility in performance; adapts procedures to accommodate atypical patients and clinical situations.	Strongly disagree	Disagree	Agree	Strongly agree	
11.	Able to demonstrate proper radiation safety skills in terms of effective collimation on all images.	Strongly disagree	Disagree	Agree	Strongly agree	
12.	Shields all patients where appropriate.	Strongly disagree	Disagree	Agree	Strongly agree	
13.	Is able to effectively evaluate radiographic images and determine a proper course of action if needed.	Strongly disagree	Disagree	Agree	Strongly agree	
Grade:						

EVALUATOR'S COMMENTS:

Empty rectangular box for evaluator's comments.

STUDENT'S COMMENTS:

Empty rectangular box for student's comments.

CUNY - NEW YORK CITY COLLEGE OF TECHNOLOGY
DEPARTMENT OF RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING

End of Semester
PROFESSIONAL GROWTH AND DEVELOPMENT (PGD)

Student's Name	Clinical Site
Instructor's Name	RAD _____ / _____ Course# / Section #
	Date

INSTRUCTOR: Assign a score to each statement based on your observation of the student's performance this semester. If a substantial change in the level of performance has taken place during the semester, please indicate your opinion of the student's current performance level. Total the scores and divide by ten to obtain the grade. Discuss this evaluation with the student and obtain his/her signature.

The student:		Strongly disagree	Disagree	Agree	Strongly agree	Score
1.	Appears professional in clinical attire and manner.	0%	55% - 65%	75% - 85%	100%	
2.	Is usually punctual and remain in assigned area.	0%	55% - 65%	75% - 85%	100%	
3.	Shows initiative in seeking educational opportunities and experience.	0%	55% - 65%	75% - 85%	100%	
4.	Demonstrates respectful and cooperative attitude in working with students, staff and supervisors.	0%	55% - 65%	75% - 85%	100%	
5.	Follows instructions accurately; asks for advice and assistance when needed and when performing repeat radiographs.	0%	55% - 65%	75% - 85%	100%	
6.	Demonstrates mature ability to accept responsibility for actions; accepts and acts on constructive criticism.	0%	55% - 65%	75% - 85%	100%	
7.	Communicates clearly and understandably with patients, staff and supervisors.	0%	55% - 65%	75% - 85%	100%	
8.	Shows respect and concern for patients at all times.	0%	55% - 65%	75% - 85%	100%	
9.	Performs with organization, efficiency and knowledge appropriate to level of clinical experience.	0%	55% - 65%	75% - 85%	100%	
10.	Shows flexibility in performance; adapts procedures to accommodate atypical patients and clinical situations.	0%	55% - 65%	75% - 85%	100%	
11.	Able to demonstrate proper radiation safety skills in terms of effective collimation on all images.	0%	55% - 65%	75% - 85%	100%	
12.	Shields all patients where appropriate.	0%	55% - 65%	75% - 85%	100%	
13.	Is able to effectively evaluate radiographic images and determine a proper course of action if needed.	0%	55% - 65%	75% - 85%	100%	
Grade:						

EVALUATOR'S COMMENTS:

Empty rectangular box for evaluator's comments.

STUDENT'S COMMENTS:

Empty rectangular box for student's comments.

DIRECT SUPERVISION POLICY

Student clinical performance of medical imaging procedures must be under the **direct supervision** or **indirect supervision** of a **qualified radiographer*** until a student demonstrates competence by the college competency evaluation process.

Direct supervision is the constant supervision of a student, provided by a qualified radiographer during every aspect of a medical imaging procedure. This is required for students who have not achieved competency in performing any radiographic examination on patients. Direct Supervision guidelines must be posted and observed strictly at all times at the clinical site for the protection of patients, students and personnel. A violation of this policy is a serious infraction that may result in expulsion from the program. Direct Supervision guidelines include:

- A qualified radiographer reviews the procedure in relation to the student's achievement;
- A qualified radiographer evaluates the condition of the patient in relation to the student knowledge and readiness;
- A qualified radiographer is present during the conduct of every part of the procedure;
- A qualified radiographer reviews and approves the examination procedure;
- A qualified radiographer is present during student performance of any repeat of any unsatisfactory radiograph.

*A radiographer possessing American Registry of Radiologic Technologists certification or equivalent and active registration in the pertinent discipline.

INDIRECT SUPERVISION POLICY

Student clinical performance of medical imaging procedures must be under the **direct supervision** or **indirect supervision** of a **qualified radiographer*** until a student demonstrates competence by the college competency evaluation process.

Indirect supervision is the supervision provided by a qualified radiographer who is immediately available to assist students regardless of their level of competency or achievement. Immediately available is interpreted as the presence of a qualified radiographer adjacent to the room or location where a radiographic procedure is being performed. This availability applies to all areas where ionizing radiation equipment is in use.

After a student has been judged competent in an examination category, medical imaging procedures may be performed under the **indirect supervision** of a qualified radiographer. Indirect Supervision guidelines must be posted and observed strictly at all times at the clinical site for the protection of patients, students and personnel. A violation of this policy is a serious infraction that may result in expulsion from the program. Indirect Supervision guidelines include:

- A qualified radiographer verifies the student's proficiency record (Clinical Data Sheet) and approves the procedure to be performed.
- A qualified radiographer is immediately available to assist the student should the need arise.
- A qualified radiographer reviews and approves the examination procedure.
- A qualified radiographer provides direct supervision of students during their performance of any repeat of any unsatisfactory radiograph.

RADIOGRAPHIC REPEAT POLICY

All unsatisfactory radiographs which are repeated by students **must** be performed under **direct supervision**, regardless of the student's level of competence. A violation of this policy is a serious infraction that may result in expulsion from the program.

Revised 8/2014

NEW YORK CITY COLLEGE OF TECHNOLOGY

Department of Radiologic Technology & Medical Imaging

CLINICAL MEMORANDUM

Date: _____

Clinical Site: _____

Course: _____

Clinical Faculty: _____

Student: _____

It is the policy of the Radiologic Technology & Medical Imaging Department of identify and counsel students that have performed in the hospital an act which may be negligent or harmful to a patient. Students are required to adhere to hospital and school policies at all times. Action taken by the program may result in probation, suspension or dismissal from the program.

<u>Medicolegal</u>		<u>Clinical</u>	
Patient's safety was compromised		No signature on sign-in sheet	
Wrong exam performed		Signing in for days not attended	
Anatomical side not identified		Excessive lateness	
Wrong side marked		Student not in assigned area	
Patient ID missing		Student not in proper uniform	
Patient ID illegible		Inappropriate conduct in a professional setting	
Incorrect radiation exposure			
No gonadal shielding			
Other:		Other:	

Faculty Comments:

Faculty Signature/Date _____

Student Comments:

Faculty Signature/Date _____

Clinical Coordinator Signature/Date _____

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

DAILY CLINICAL ATTENDANCE

Hospital: _____ Semester : _____

Instructors Signature: _____ Course/Section: _____

Day/Date:				
Student	Time In		Time Out	

Day/Date:				
Student	Time In		Time Out	

**NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging**

PERMISSION FOR EARLY DISMISSAL/LATE ARRIVAL

_____ has permission to leave clinical
practice at _____ PM on _____.

_____ has permission to arrive at
clinical practice at _____ AM on _____.

(DATE)

(FACULTY/CHAIRPERSON SIGNATURE)

Student: Give this portion to the hospital supervisor.

Permission for (circle one) early dismissal / late arrival was given to

(NAME)

for _____ at _____.
(DATE) (TIME)

Reason:

(DATE)

(FACULTY/CHAIRPERSON SIGNATURE)

Submit this portion with clinical records.



NEW YORK CITY
 COLLEGE OF TECHNOLOGY
 THE CITY UNIVERSITY OF NEW YORK
 300 JAY STREET, BROOKLYN, NY 11201

Department of Radiologic Technology & Medical Imaging

Tel (718) 260 5360 - Fax (718) 260 5540 - Website <http://www.citytech.cuny.edu/academics/deptsites/radiologic/>

HEALTH EXAMINATION FORM

Student _____ (last name, first name) EMPLID _____

Address _____ SS No. _____ / _____ / _____

City _____ State _____ Zip _____

Telephone _____ Date of Birth _____

Evaluation: To be completed by a physician.

PLEASE NOTE: ALL ITEMS MUST BE ANSWERED OR FORM WILL BE RETURNED

1. Medical History and Physical Examination (within 12 months of start date):

Findings:

Normal Abnormal

Comments: _____

2. Rubella *Titer:

Immune
 Non Immune

MMR Vaccination Date:

#1 _____

3. Measles (Rubeola) *Titer:

Immune
 Non Immune

MMR Vaccination Dates:

#1 _____

#2 _____

4. Mumps *Titer:

Immune
 Non Immune

MMR Vaccination Dates:

#1 _____

#2 _____

5. Varicella *Titer:

Immune
 Non Immune

Vaccination Dates:

#1 _____

#2 _____

6. HBV Surface Antibody *Titer:

Immune
 Non Immune

Hepatitis B Vaccination Dates:

#1 _____

#2 _____

#3 _____

7. Adult Diphtheria/Tetanus: _____ Date Given: _____

8. Seasonal Flu Vaccine: _____ Date Given: _____

9. Allergy to Latex: yes or no

***Attach copy of Titer results to this form.**

10. PPD Test (two-step testing)

First Test Given: _____ Read: _____ **Results:** Negative Positive

Second Test **Given: _____ Read: _____ **Results:** Negative Positive

****Note:** A second PPD test is not needed if the student has had a documented, negative test during the previous 12 months or if an IGRA (QFT - GIT) was given.

Chest X-Ray on: _____ **Results:** Normal Abnormal

CBC: _____ **Results:** _____ **Date:** _____

Urinalysis: _____ **Results:** _____ **Date:** _____

CLINICAL EDUCATION SITE REQUIREMENTS:

Students assigned to clinical education sites **may be** subjected to background checks and drug screening by the clinical affiliates. Each clinical affiliate will set the criteria for background checks and drug screening.

1. Drug Screening: Date: _____ **(Attach on lab letterhead)**

2. Background Check: Date: _____

3. Respirator Fit Testing: _____ Mask: _____ Size: _____

Pursuant to Section 405.3(b) for the New York State Hospital Codes, the following information of Physical Examination is required:

I have examined _____ **on (date)** _____

Is there an emotional, mental or physical condition for which this student is under medical examination and/or taking medication?

YES

NO

If yes, please specify _____

Based on my physical examination and the patient's medical history, I believe that the above referenced is free from a health impairment which is a potential risk to patients or which interfere with the performance of his/her duties, including the habituation or addiction to depressants, stimulants, narcotics, alcohol or other drugs or substances which may alter the individual's behavior.

Date: _____ **Printed Name:** _____ **Tel #:** _____

License #: _____ **Signature of Physician:** _____

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

STUDENT BACKGROUND CHECKS AND DRUG TESTS POLICY & PROCEDURE

Clinical Testing:

Students assigned to clinical education sites may be subjected to background checks and drug testing by the clinical affiliates. Each clinical affiliate will set the criteria for background checks and drug screening.

If a student is found in violations of the clinical affiliate's policy, the student will be removed from the clinical education site. This may result in the student being unable to continue in the program because of space availability at other clinical education sites.

The Department of Radiologic Technology & Medical Imaging is bound by contract to adhere to any regulations and decisions made by the clinical affiliate.

Clinical rotation is required for completion of the program. If the student does not meet the required standards of either or both of the above testing, the student will not be able to complete the program.

The student has a right to exercise the department's due process policy and procedure (see Appendix V) and in the college catalogue.

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

CUNY POLICY ON ACADEMIC INTEGRITY

Academic dishonesty is prohibited in The City University of New York. Penalties for academic dishonesty include academic sanctions, such as failing or otherwise reduced grades, and/or disciplinary sanctions, including suspension or expulsion.

1. Definitions and Examples of Academic Dishonesty

1.1. **Cheating** is the unauthorized use or attempted use of material, information, notes, study aids, devices or communication during an academic exercise. Examples of cheating include:

- Copying from another student during an examination or allowing another to copy your work.
- Unauthorized collaboration on a take home assignment or examination.
- Using notes during a closed book examination.
- Taking an examination for another student, or asking or allowing another student to take an examination for you.
- Changing a graded exam and returning it for more credit.
- Submitting substantial portions of the same paper to more than one course without consulting with each instructor.
- Preparing answers or writing notes in a blue book (exam booklet) before an examination.
- Allowing others to research and write assigned papers or do assigned projects, including using commercial term paper services.
- Giving assistance to acts of academic misconduct/ dishonesty.
- Fabricating data (in whole or in part).
- Falsifying data (in whole or in part).
- Submitting someone else's work as your own.
- Unauthorized use during an examination of any electronic devices such as cell phones, computers or other technologies to retrieve or send information.

1.2. **Plagiarism** is the act of presenting another person's ideas, research or writings as your own. Examples of plagiarism include:

- Copying another person's actual words or images without the use of quotation marks and footnotes attributing the words to their source.
- Presenting another person's ideas or theories in your own words without acknowledging the source.
- Failing to acknowledge collaborators on homework and laboratory assignments.
- Internet plagiarism, including submitting downloaded term papers or parts of term papers, paraphrasing or copying information from the internet without citing the source, or "cutting & pasting" from various sources without proper attribution.

1.3. **Obtaining Unfair Advantage** is any action taken by a student that gives that student an unfair advantage in his/her academic work over another student, or inaction taken by a student through which a student attempts to gain an unfair advantage in his or her academic work over another student. Examples of obtaining unfair advantage include:

- Stealing, reproducing, circulating or otherwise gaining advance access to examination materials.
- Depriving other students of access to library materials by stealing, destroying, defacing, or concealing them.
- Retaining, using or circulating examination materials which clearly indicate that they should be returned at the end of the exam.
- Intentionally obstructing or interfering with another student's work.

1.4. **Falsification of Records and Official Documents**

Examples of falsification include:

- Forging signatures of authorization.
- Falsifying information on an official academic record.
- Falsifying information on an official document such as a grade report, letter of permission, drop/add form, ID card or other college document.

2. Methods for Promoting Academic Integrity

- 2.1. Packets containing a copy of the CUNY Policy on Academic Integrity and, if applicable, the college's procedures implementing the Policy, and information explaining the Policy and procedures shall be distributed to all current faculty and, on an annual basis to all new faculty (full and part-time) These packets also shall be posted on each college's website. Orientation sessions for all new faculty (full and part-time) and students shall incorporate a discussion of academic integrity.
- 2.2. All college catalogs, student handbooks, faculty handbooks, and college websites shall include the CUNY Policy on Academic Integrity and, if applicable, college procedures implementing the policy and the consequences of not adhering to the Policy.
- 2.3. Each college shall subscribe to an electronic plagiarism detection service and shall notify students of the fact that such a service is available for use by the faculty. Colleges shall encourage faculty members to use such services and to inform students of their use of such services.

3. Reporting

- 3.1. Each college's president shall appoint an Academic Integrity Officer in consultation with the elected faculty governance leader. The Academic Integrity Officer shall serve as the initial contact person with faculty members when they report incidents of suspected academic dishonesty. The Academic Integrity Officer may be the college's Student Conduct Officer, another student affairs official, an academic affairs official, or a tenured faculty member. Additional duties of the Academic Integrity Officer are described in Sections 4.1, 4.2.1, 4.2.2, 4.3 and 4.4.

- 3.2. A faculty member who suspects that a student has committed a violation of the CUNY Academic Integrity Policy shall review with the student the facts and circumstances of the suspected violation whenever feasible. Thereafter, a faculty member who concludes that there has been an incident of academic dishonesty sufficient to affect the student's final course grade shall report such incident on a Faculty Report Form in substantially the same format as the sample annexed to this Policy and shall submit the Form to the college's Academic Integrity Officer. . Each college shall use a uniform form throughout the college, which shall contain, at a minimum, the name of the instructor, the name of the student, the course name and number and section number, the date of the incident, a description of the incident and the instructor's contact information.
- 3.3 The Academic Integrity Officer shall update the Faculty Report Form after a suspected incident has been resolved to reflect that resolution. Unless the resolution exonerates the student, as described in Section 4.4, the Academic Integrity Officer of each college shall place the Form in a confidential academic integrity file created for each student alleged to have violated the Academic Integrity Policy and shall retain each Form for the purposes of identifying repeat offenders, gathering data, and assessing and reviewing policies. Unless the student is exonerated, written decisions on academic integrity matters after adjudication also shall be placed in the student's academic integrity file. The Academic Integrity Officer shall be responsible for maintaining students' academic integrity files.

4. Procedures for Imposition of Sanctions

4.1. Determination on academic vs. disciplinary sanction

The Academic Integrity Officer shall determine whether to seek a disciplinary sanction in addition to an academic sanction. In making this determination, the Academic Integrity Officer shall consult with the faculty member who initiated the case and may consult with student affairs and/or academic affairs administrators as needed. Before determining which sanction(s) to seek, the Academic Integrity Officer also shall consult the student's confidential academic integrity file, if any, to determine whether the student has been found to have previously committed a violation of the Academic Integrity Policy, the nature of the infraction, and the sanction imposed or action taken. Prior violations include both violations at the student's current college and violations that occurred at any other CUNY college. In making the determination on prior violations, the Academic Integrity Officer shall determine whether the student previously attended any other CUNY colleges and, if so, shall request and be given access to the academic integrity files, if any, at such other CUNY colleges.

The Academic Integrity Officer should seek disciplinary sanctions only if (i) there is a substantial violation; or (ii) the student has previously violated the Policy; or (iii) academic sanctions are unable to be imposed because the student has timely withdrawn from the applicable course.

Examples of substantial violations include but are not limited to forging a grade form or a transcript; stealing an examination from a professor or a university office; having a substitute take an examination or taking an examination for someone else; having someone else write a paper for the student or writing a paper for another student; sabotaging another student's work through actions that prevent or impede the other student from successfully completing an assignment; and violations committed by a graduate or professional student or a student who will seek professional licensure. The college also should consider any mitigating circumstances in making this determination.

4.2. Procedures in Cases Involving Only Academic Sanctions

4.2.1. Student Admits to the Academic Dishonesty and Does Not Contest

the Academic Sanction If a faculty member wishes to seek only an academic sanction (i.e., a reduced grade) and the student does not contest either his/her guilt or the particular reduced grade the faculty member has chosen, then the student shall be given the reduced grade, unless the Academic Integrity Officer decides to seek a disciplinary sanction. The reduced grade may apply to the particular assignment as to which the violation occurred or to the course grade, at the faculty member's discretion. A reduced grade may be an "F" or another grade that is lower than the grade that the student would have earned but for the violation.

The faculty member shall inform the Academic Integrity Officer of the resolution via email and the Officer shall update the applicable Faculty Report Form to reflect that resolution.

4.2.2. Student Admits to the Academic Dishonesty but Contests the Academic Sanction

In a case where a student admits to the alleged academic dishonesty but contests the particular academic sanction imposed, the student may appeal the academic sanction through the college's grade appeal process. The student shall be allowed, at a minimum, an opportunity to present a written position with supporting evidence. The committee reviewing the appeal shall issue a written decision explaining the justification for the academic sanction imposed.

4.2.3. Student Denies the Academic Dishonesty

In a case where a student denies the academic dishonesty, a fact-finding determination shall be made, at each college's option, by an Academic Integrity Committee established by the college's governance body or by the Student-Faculty Disciplinary Committee established under Article XV of the CUNY Bylaws. Each college's Academic Integrity Committee shall adopt procedures for hearing cases. (If a college opts to use its Student-Faculty Disciplinary Committee for this purpose, that Committee shall use Article XV procedures.) Those procedures, at a minimum, shall provide a student with (i) written notice of the charges against him or her; (ii) the right to appear before the Committee; and (iii) the right to present witness statements and/or to call witnesses.

Those procedures also shall provide the faculty member with the right to make an appearance before the Committee. The Committee may request the testimony of any witness and may permit any such witness to be questioned by the student and by the administrator presenting the case. Academic Integrity Committees and Student-Faculty Disciplinary Committees, as applicable, shall issue written decisions and send copies of their decisions to the college's Academic Integrity Officer. The Academic Integrity Officer may not serve on a college's Academic Integrity Committee.

4.3. Procedures in Cases Involving Disciplinary Sanctions

If the college decides to seek a disciplinary sanction, the case shall be processed under Article XV of the CUNY Bylaws. If the case is not resolved through mediation under Article XV, it shall be heard by the college's Faculty-Student Disciplinary Committee.

If the college seeks to have both a disciplinary and an academic sanction imposed, the college shall proceed first with the disciplinary proceeding and await its outcome before addressing the academic sanction. The student's grade shall be held in abeyance by using the PEN grade established for this purpose, pending the Committee's action. If the Faculty-Student Disciplinary Committee finds that the alleged violation occurred, then the faculty member may reflect that finding in the student's grade. The student may appeal the finding in accordance with Article XV procedures and/or may appeal the grade imposed by the faculty member in accordance with section 4.2.2. If the Faculty-Student Disciplinary Committee finds that the alleged violation did not occur, then no sanction of any kind may be imposed.

Where a matter proceeds to the Faculty-Student Disciplinary Committee, the Academic Integrity Officer shall promptly report its resolution to the faculty member and file a record of the resolution in the student's confidential academic integrity file, unless, as explained below, the suspected violation was held to be unfounded.

4.4. Required Action in Cases of No Violation

If either the Academic Integrity Committee or the Faculty-Student Disciplinary Committee finds that no violation occurred, the Academic Integrity Officer shall remove all material relating to that incident from the student's confidential academic integrity file and destroy the material.

5. Implementation

Each college, in accordance with its governance plan, shall implement this Policy and may adopt its own more specific procedures to implement the Policy. Colleges' procedures must be consistent with the policy and procedures described in the Policy.

Faculty Report Form

It is necessary to complete this form to report an incident of suspected and/or resolved academic dishonesty. Make a copy for your records and forward the original, along with copies of all available supporting documentation, to the: **Office of the Academic Integrity Officer**

[Fill in name of college]

Instructor Name:

Dept: _____ Tel.No: _____ email: _____

Course: _____ Section: _____ Semester: _____

Student Name: _____ Student ID#: _____

Date of Incident: _____

Type of Incident: _____ Cheating _____ Plagiarism _____ Other _____

Description of Incident: _____

Did the student admit to the charge of cheating, plagiarism or other act of academic dishonesty? Yes _____ No _____ Student could not be contacted _____

Explanation _____

Explanation of recommended sanction _____

Signature of Faculty Member _____ Date _____

Resolution of the Case after Adjudication

Academic sanction _____

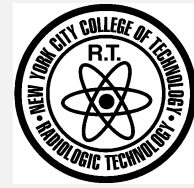
Disciplinary sanction _____

Signature of Academic Integrity Officer _____ Date _____



New York City College of Technology
The City University of New York

Department of Radiologic Technology
& Medical Imaging



Tel (718) 260 5360 - Fax (718) 260 5540

Website <http://www.citytech.cuny.edu/academics/deptsites/radiologic/>

Email: radiologictech@citytech.cuny.edu

RADIOGRAPHIC PROCEDURES AND LABORATORY POLICY

1. Under no circumstances should students or others be exposed to ionizing radiation in the lab.
2. Report all equipment problems immediately to the College Laboratory Technician (CLT) or faculty member.
3. Eating and drinking are prohibited.
4. Students must adhere to the dress code policy during lab classes.
5. Students must wear their radiation detection devices at all times during all lab classes and “open lab” sessions.
6. Students must be supervised during all lab classes and “open lab” sessions by a faculty member or CLT. Students are not allowed in the labs without proper supervision.
7. First-year students must not make an exposure without the direct supervision of a faculty member or CLT (See Direct Supervision Policy in the Clinical Education Handbook).
8. All phantoms, positioning sponges, cassettes and other equipment must be placed in their respectful places after use.
9. Cassettes must not be left on top of the processor, in the rooms or on the floor.
10. All instruments should be treated with respect and replaced after use.
11. All radiographic rooms must be left uncluttered.
12. Radiographic tubes and tables must be in the proper positions after use.
13. Radiographic equipment must be properly shut down after use.
14. Cell phones are not permitted in the procedure lab.
15. Anything able to puncture or cut the skin must be discarded in the Sharps Container. Never recap a needle, overfill or force a needle into the Sharps Container.

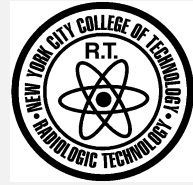
Prof. E. Lespinasse, Chairperson

Revised March 2014



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DARKROOM PROCEDURES POLICY

16. Cell phones are not permitted in the darkroom.
17. Eating and drinking are not allowed in the darkroom.
18. The darkroom and work area should be uncluttered.
19. Store all liquid chemicals off the floor.
20. Follow the proper procedure for handling chemicals.
21. Hands should be washed carefully with soap and water after working with fixer and developer.
22. Old or contaminated chemicals cannot be poured in the sink or placed in the trash. Chemical Waste Pickup Request should be directed to the college's Health and Safety Officer.

Luis Venegas
Health and Safety Office
718.260.5858
or
Department of Public Safety
718.260.5550

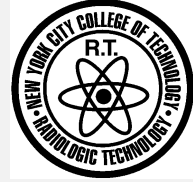
Prof. E. Lespinasse, Chairperson

Revised March 2014



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Website <http://www.citytech.cuny.edu/academics/deptsites/radiologic/>

Email: radiologictech@citytech.cuny.edu

DARKROOM CHEMICAL CONTACT POLICY

23. Students are not allowed to handle any darkroom chemicals.
24. In the event of a hazardous spill or contact with a darkroom chemical notify the College Laboratory Technician (CLT) or faculty member immediately.
25. Wash hands and contact area with mild soap and water.
26. Close off the area if there is a spill. A spill kit is available in the darkroom to contain chemical spills and should be used only by trained personnel. The CLT is OSHA trained.

All hazardous spills should be immediately reported to:

Luis Venegas
Health and Safety Office
718.260.5858
or
Department of Public Safety
718.260.5550

Prof. E. Lespinasse, Chairperson

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

SEXUAL HARASSMENT POLICY AND PROCEDURES

Clinical Affiliate

1. Students claiming harassment on the basis of sex shall report such harassment, as promptly as possible, to the clinical instructor, chairperson of the Department of Radiologic Technology & Medical Imaging, and clinical affiliate administrator who will conduct an investigation and make an effort to resolve the allegation as confidential as possible based upon the clinical affiliate's policy and procedures.
2. The chairperson will also file the report with the coordinator of the College's Sexual Harassment Awareness and Intake Committee, the Office of the Vice President of Enrollment and Student Affairs, and the Dean of the School of Professional Studies within five (5) business days. Following the investigation, which should be concluded within thirty (30) days of the filing of the complaint, the clinical affiliate administrator should submit a report of findings to the student clinical instructor and chairperson.
 - a. If the case is resolved, the clinical affiliate administrator shall notify the student, chairperson, and clinical instructor of the Department of Radiologic Technology & Medical Imaging.
 - b. If the case is not resolved, the student has a right to file a formal grievance within five (5) days of the report of findings with the Coordinator of the College's Sexual Harassment Awareness and Intake Committee and the chairperson.

College Procedure

The student claiming sexual harassment shall promptly report such harassment to the chairperson and the Coordinator of the College's Sexual Harassment Awareness and Intake Committee who will investigate the incident. The student should follow the guidelines against sexual harassment in the College catalogue.

If a student is found to have violated the sexual harassment policy, the College may implement a student disciplinary procedure, which may include expulsion from the University.

Sexual harassment is illegal under Federal, State and City laws, and will not be tolerated within the University.

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

GROUNDS FOR DISMISSAL FROM THE PROGRAM

The grounds for dismissal are listed below. It should be pointed out that a student may be suspended from the program at any time during their training for violation of any one or more of the grounds listed.

1. Failing grades in Radiologic Technology & Medical Imaging and/or other college courses.
2. Insubordination.
3. The conviction and/or known use of, distribution of, or possession of illegal drugs or controlled substances.
4. Display unprofessional or unethical conduct or demonstrate a breach of rules.
5. Academic dishonesty in professional or related courses.
6. Sexual harassment in the didactic or clinical settings.
7. Any situation which is deemed to be unacceptable by the clinical affiliate and/or the clinical instructor.
8. If any clinical affiliate refuses to allow a student on hospital property for violations such as, but not limited to, theft or misconduct, the student will not be allowed to continue in the program.

The student has a right to appeal a dismissal through the academic appeal process outlined in the college catalogue and student handbook.

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department Of Radiologic Technology & Medical Imaging

CLINICAL DISMISSAL POLICY AND PROCEDURES

IMMEDIATE CLINICAL DISMISSAL POLICY

The Clinical Affiliate reserves the right to dismiss a student from the clinical education center immediately, when the health and safety of a patient is affected by the negligent, incompetent, unethical or illegal practice of the student.

The student involved will be notified verbally and in writing by the Clinical Instructor as the reason(s) for the dismissal. The Clinical Instructor will notify the chairperson and the clinical coordinator of the immediate dismissal. The student may not return to clinical rotation until the incident has been reviewed by the chairperson and a determination is made as to whether the incident warrants Program Dismissal. The student may continue to attend all course lectures until disposition of the incident has been rendered.

APPEAL OF IMMEDIATE CLINICAL DISMISSAL

A student who has been dismissed from the clinical education center has the right to appeal the immediate dismissal decision.

- Step 1 It is the student's responsibility to immediately contact the Clinical Instructor for the purpose of discussing the circumstances of the dismissal. The Clinical Instructor will report findings to the Chairperson and Clinical Coordinator.
- Step 2 The Chairperson and Clinical Coordinator has the discretion to decide whether the dismissal should be upheld, in which case Step 3 would be activated. The Chairperson may also decide the re-instate the student once all the circumstances have been heard and evaluated.
- Step 3 Should the dismissal be upheld, the student will be given the opportunity to address the Chairperson, Clinical Instructor, Department Disciplinary Committee within five (5) class days, for the purpose of presenting the circumstances surrounding the clinical dismissal. The student has the right to have someone of his/her choice accompany them to this review. In addition to the Radiology Department's faculty, a college counselor will serve as consultants at the review, to determine the disposition of the student. Students who are dismissed clinically are not permitted to continue in the Program.
- Step 4 The Chairperson will notify the student in writing as to the decision of the Department Disciplinary Committee.
- Step 5 The student has the right to appeal this decision through the academic appeal process outlined in the college catalogue and student handbook.

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

DUE PROCESS POLICY AND PROCEDURES

The purpose of the Due Process Procedure is to adhere to the issues of a grade appeal complaint or grievance and to provide students with a procedure for addressing complaints.

The following applies to all Radiologic Technology & Medical Imaging students.

Appealing a Final Grade

A student who wishes to appeal a final grade in a RT course should initiate the process by referring to the College Catalogue for complete instructions regarding the process of appealing a final grade.

Complaint/Grievance

Radiography students have a right to file a complaint/grievance concerning any incident that they feel undermines their educational pursuit at New York City College of Technology.

To file a complaint or grievance other than an academic grade appeal, the student should:

- Step 1. If the complaint is against a faculty member or clinical member, the student is encouraged to promptly make an appointment with the faculty member to resolve the complaint or grievance.
- Step 2. If the issue is not resolved, the student may file a written complaint with the department chairperson or clinical coordinator or make an appointment with the department chairperson or clinical coordinator within one week to discuss the issue.
- Step 3. The department chairperson will consult with the faculty to discuss the complaint or grievance and try to resolve the issue within two weeks.
- Step 4. If the issue cannot be resolved the student has the right to file a complaint with the Office of the Vice President for Enrollment and Student Affairs.

(Refer to Policy on Student Complaints, in the College Catalogue. The complaint must be filed on the Titled Complaint/Incident Form within 30 calendar days.

Complaint/Grievance (continued)

Clinical Affiliate

1. A student who has a grievance may take action in the following sequence:
 - 1.1 Discuss the issue with the clinical instructor and individual involved and seek a resolution of the problem.
 - 1.2 If a mutually satisfactory understanding has not been reached, the student may request a meeting with the appropriate clinical affiliate supervisor within five (5) days of the initial meeting. This meeting should involve the supervisor, the clinical faculty member and the student.
 - 1.3 The clinical instructor will submit a report to the clinical coordinator or the chairperson within five (5) days of the conclusion of the meeting.
 - 1.4 The chairperson and clinical coordinator will meet the student to deliver if further investigation is needed. The matter should be concluded within three (3) weeks.

STANDARDS FOR AN ACCREDITED EDUCATIONAL PROGRAM IN RADIOLOGIC SCIENCES

Adapted by
The Joint Review Committee on Education in Radiologic Technology,
January 1996; revised April 2010, effective January 1, 2011.

Standard One: Integrity

The program demonstrates integrity in the following: representations to communities of interest and the public, pursuit of fair and equitable academic practices, and treatment of, and respect for, students, faculty, and staff.

Standard Two: Resources

The program has sufficient resources to support the quality and effectiveness of the educational process.

Standard Three: Curriculum and Academic Practices

The program's curriculum and academic practices prepare students for professional practice.

Standard Four: Health and Safety

The program's policies and procedures promote the health, safety, and optimal use of radiation for students, patients, and the general public.

Standard Five: Assessment

The program develops and implements a system of planning and evaluation of student learning and program effectiveness outcomes in support of its mission.

Standard Six: Institutional/Programmatic Data

The program complies with JRCERT policies, procedures, and **STANDARDS** to achieve and maintain specialized accreditation.

Additional information about JRCERT Accreditation Standards is available from the Department of Radiologic Technology & Medical Imaging.

Students who wish to contact the JRCERT regarding issues of non-compliance may contact:

Joint Review Committee on
Education in Radiologic Technology
20 North Wacker Drive - Suite 2850
Chicago, IL 60606-3182

Tel. (312) 704 5300
Web Site: <http://www.jrcert.org>

NEW YORK CITY COLLEGE OF TECHNOLOGY
Department of Radiologic Technology & Medical Imaging

POLICY ON NON-COMPLIANCE OF JRCERT STANDARDS

Radiography students, faculty, graduates or other individuals have the right to file a complaint with the Joint Review Committee on Education in Radiologic Technology (JRCERT). Concerning failures by the Department to comply with the STANDARDS of the JRCERT and undermines their educational pursuit at New York City College of Technology.

The purpose of the policy is to address the issue of non-compliance with the JRCERT STANDARDS. This policy particularly applies in cases where an individual has a complaint about the Department non-compliance.

Procedure

The following procedure shall apply:

1. An radiography student or any individual who wishes to issue a complaint of non-compliance with the JRCERT must initiate the complaint by writing a detailed letter of the specific standard of non-compliance to the chairperson of the department and requesting an appointment to discuss the complaint. The chairperson, within one (1) week, will meet with the student to resolve the complaint.
2. If the complaint is resolved, the chairperson will record the discussion, signed by the student, and filed in the student's record, with a copy to the Department's Appeal, Due Process/Grievance Committee.
3. If the complaint is not resolved, the chairperson will refer the matter to the Committee.
4. Within two (2) weeks of the meeting with the chairperson, the chairperson of the Committee with notify the student, giving the student five (5) business days to schedule a meeting with the Committee to discuss the complaint. A letter should be sent, by certified mail, to the student at the address appearing on the student's record. The student must confirm the meeting with the Committee within two (2) weeks. If the student fails to respond, it will be recorded and filed in the student's record.
5. Once both the student and the Committee meets, the Committee should report the recommendations to the Department Chairperson and send a copy by certified mail to the student within five (5) days of the conclusion of the meeting.

Policy on Non-Compliance of JRCERT Standards (continued)

6. Following this procedure, if the student or individual agrees with the recommendations, it will be noted, signed by the student and filed in the student's record or filed with the department.
7. If the student or individual is not satisfied with the recommendations of the Committee to resolve the complaint, the student or individual within two (2) weeks should submit the complaint in writing to the Dean of the School of Professional Studies.
8. If the Dean is unable to resolve the program, the student or individual has the right to submit an Allegation Reporting Form with the JRCERT and must provide a copy to the Department's Chairperson, Committee and Dean within two (2) weeks. The Department will work closely and professionally with the Joint Review Committee on Education in Radiologic Technology to resolve any reported non-compliance complaints.

JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY (JRCERT)

20 North Wacker Drive – Suite 2850

Chicago, IL 60606-3182

(312) 704 5300

mail@jrcert.org

www.jrcert.org

ELIGIBILITY FOR NYSDOH LICENSE AND ARRT CERTIFICATION

The New York State Department of Health requires disclosure of conviction for legal offenses, as described in the following statements.

Disqualification from examination, Section 89.16

(a) An applicant shall be disqualified from admission to examination under subdivision 1(b) of section 3505 of the Public Health Law if the department shall determine that the applicant has violated applicable provisions of subdivision 1 of section 3510 of the Public Health Law, or the applicant has been convicted of one or more criminal offenses bearing a direct relationship to the practice of radiologic technology. An offense bearing a direct relationship to the practice of radiologic technology shall be deemed to include, but shall not be limited to: an offense involving a threat or use of physical violence, sexual behavior, or illegal possession or use of drugs, which such offense was committed by an applicant while engaged in the practice of radiologic technology. An offense may be deemed to bear a direct relationship to the practice of radiologic technology irrespective of whether or not the offense was committed while the applicant was engaged in the practice of radiologic technology, provided that, in the reasonable judgment of the department, the act or acts for which the applicant was convicted could have involved an unreasonable risk to the safety or welfare of patients if committed by the applicant while engaged in the practice of radiologic technology. In making a determination of the relevance of previous criminal convictions, the department shall also consider, but not be limited to, the following factors:

- (1) the number and seriousness of the underlying offenses of such convictions;
- (2) the time which has elapsed since such convictions;
- (3) the age of the applicant at the time of occurrence of the underlying offenses; and
- (4) evidence of rehabilitation and good conduct since such convictions, including the issuance to the applicant of a certificate of relief from disabilities or a certificate of good conduct.

This is an overview of Section 89.16 of the Public Health Law. Additional guidelines are available in the Office of the Chairperson.

The American Registry of Radiologic Technologists provides the following statement about determination of eligibility for certification.

Convictions or charges resulting in any of the following must be reported:

- plea of guilty
- plea of nolo contendere
- withheld adjudication
- suspended sentence
- military court-martial

Misdemeanor speeding convictions are not required to be reported unless they are related to alcohol or drug use.

A pre-application for determination of eligibility should be made by any student to the American Registry of Radiologic Technologists who has such a record. If you have a conviction record which may have to be disclosed under these policies, you must make an appointment with me this semester for a confidential discussion of the circumstances.

Eligibility For NYSDOH License And ARRT Certification (continued)

Candidates must comply with the "Rules of Ethics" contained in the *ARRT Standards of Ethics*. The Rules of Ethics are standards of minimally acceptable professional conduct for all presently Registered Technologists and applicants. The Rules of Ethics are intended to promote the protection, safety and comfort of patients. Registered Technologists and applicants engaging in any of the conduct of activities noted in the Rules of Ethics, or who permit the occurrence of said conduct or activities with respect to them, have violated the Rules of Ethics and are subject to sanctions as described. One issue addressed by the Rules of Ethics is the conviction of a crime, including a felony, a gross misdemeanor, or a misdemeanor with the sole exception of speeding and parking violations. All alcohol and/or drug related violations must be reported. Conviction as used in this provision includes a criminal proceeding where a finding or verdict of guilt is made or returned but the adjudication of guilt is either withheld or not entered, or a criminal proceeding where the individual enters a plea of guilty or nolo contendere. Convictions which have been expunged must be reported. All potential violations must be investigated by the ARRT in order to determine eligibility. Those who do not comply with the Rules of Ethics must supply a written explanation, including court documentation of the charges, with the applications for examination. Additional information may be found in (APPENDIX F) the *ARRT Standards of Ethics*, Rules of Ethics.

Individuals who have violated the Rules of Ethics may file a pre-application with the ARRT in order to obtain a ruling of the impact on their eligibility for examination. The individual may submit the pre-application at any time either before or after entry into an accredited educational program. This process may enable the individual to avoid the delays in processing the application for examination which is made at the time of graduation. The pre-application is not contained in this Handbook and must be requested directly from the ARRT. Submission of a pre-application does not waive the application for examination, the examination fee, the application deadline or any of the other application procedures.

This is an overview of the ARRT Standards of Ethics. A full listing of Guidelines may be found in the Office of the Chairperson.

Please sign the statement below to show that you have read this memo.

I understand that a conviction as described above could affect my eligibility for licensing or certification as a radiologic technologist.

print name

signature

date

EL:RT



NEW YORK CITY
 COLLEGE OF TECHNOLOGY
 THE CITY UNIVERSITY OF NEW YORK
 300 JAY STREET, BROOKLYN, NY 11201-5406
 718-260-5360
 DEPARTMENT OF RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING

ASSOCIATE DEGREE IN APPLIED SCIENCE (AAS)
65 CREDITS REQUIRED (34 must be in residence)
ADVISEMENT SHEET

Name _____ EMPLID _____

COURSE CODE	COURSE TITLE	CR	GRADE	DATE	COMMENTS
				COMPLETED	
ENG 1101	English Comp I	3			
MAT 1275	College Algebra & Trig	4			
BIO 2311	A & P I + Lab	4			
BIO 2312	A & P II + Lab	4			
PHIL 2203	Health Care Ethics	3			
COM 1330	Public Speaking	3			
PSY 1101	Intro to Psychology	3			
	Total	24			One of the above courses must be Writing Intensive (WI)
RAD 1124	Intro to RT & MI	1		Fall	
RAD 1125	Rad. Proc. I + Lab	2		Fall	
RAD 1126	Img. Prod. I + Lab	2		Fall	
RAD 1127	PC & Mgmt + Lab	2		Fall	
RAD 1128	Rad Prot. & Bio	2		Fall	
RAD 1225	Rad Proc. II + Lab	2		Spring	
RAD 1226	Img. Prod. II + Lab	2		Spring	
RAD 1227	Rad Pathology	3		Spring	
RAD 1228	Clinical Ed. I	2		Spring	
RAD 1229	Clinical Ed. II	3		Summer 1	
RAD 2325	Rad Proc. III + Lab	2		Fall	
RAD 2326	Rad Physics	2		Fall	
RAD 2327	Cross Sect. Anat.	2		Fall	
RAD 2328	Clinical Ed. III	3		Fall	
RAD 2425	Adv. Rad Proc.	2		Spring	
RAD 2426	Imaging Modalities (WI)	2		Spring	
RAD 2427	Seminar & Image Critique	2		Spring	
RAD 2428	Clinical Ed. IV	3		Spring	
RAD 2429	Clinical Ed. V	2		Summer 2	
	Total	41+24=65			
Non Contributory Courses (Students may be required to take the prerequisites below for BIO 2311 & MAT 1275).					
BIO 1101	Bio I + Lab	4			
MAT 1175	Funds. of Math	4			

*Students who are following the new **Gen Ed Common Core** are no longer required by the college to satisfy the computer literacy requirement for graduation. However, RAD students must demonstrate computer literacy through the workshop offered by the Atrium Learning Center.

Note: Students must see catalogue for explanations of prerequisites and other requirements. A 2.7 cumulative average is the **minimum** requirement for program consideration. This document must be updated by a faculty member each semester.



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300 JAY STREET, BROOKLYN, NY 11201-5406
718-260-5360

PRE-PATHWAYS
Start Date: Before Fall 2013

BACHELOR OF SCIENCE IN RADIOLOGICAL SCIENCE

120 credits required
34 must be in residence

ADVISEMENT SHEET

Student Name:	EMPL ID#:
Address:	Email:
Phone:	Certification/s:
Med. Imaging/Therapy Area:	Registration Period:
State License:	Faculty Advisor:

AAS IN MEDICAL IMAGING FROM JRCERT-APPROVED PROGRAMS				MAJOR REQUIREMENTS (55 credits)			
Up to 65 credits may be transferred; based on Articulation agreement with the NYCCT.				A minimum grade of C is required for all courses with the RAD subject area code.			
COURSE	TITLE	CR	Transfer CR	COURSE	TITLE	CR	GRADE
Medical Imaging or Rad Therapy Curriculum		65		RAD 3527	Advanced Patient Assessment – Pharmacology	3	
				RAD 3627	Advanced Sectional Anatomy	2	
CERTIFICATE IN MEDICAL IMAGING FROM JRCERT-APPROVED PROGRAMS				RAD 3628	Pathophysiology for Med. Imaging	2	
Up to 41 credits may be transferred.				RAD 4726	Advanced Medical Imaging I	3	
Medical Imaging or Rad Therapy Curriculum		41		RAD 4826	Advanced Medical Imaging II	3	
				RAD 4828	Medical Informatics/QM HIS	3	
				♦RAD 4830	Capstone Leadership Roles in Med Imaging	3	
COLLEGE BREADTH REQUIREMENTS				ENG 1121	English Composition II	3	
24 credits in Arts and Sciences.				ECON 1101	Macro Economics	3	
A minimum grade of C is required for all courses with the BIO subject area code.				MAT 1272	Statistics	3	
				♦LIB 1201	Research & Doc. for the Info. Age	3	
ENG 1101	Composition I	3		PSY 3405	Health Psychology	3	
MAT 1275	Algebra and Trig.	4		PHYS 2603	Medical Imaging Physics	3	
BIO 2311	A & P I	4		LIT	ENG 2000, 3400; AFR, PRS 2200 Series (See College Catalog)	3	
BIO 2312	A & P II	4		LAP	LIT or AES (See College Catalog)	3	
PSY 1101	Intro to Psych	3		ELECTIVE CREDITS TOTAL 12			
				(List free electives below)			
COM 1330	Public Speaking	3					
PHIL 2203	Health Care Ethics	3					
	Subtotal	24					
TOTAL PRE-BS CREDITS		65					
Student approved by Department Chair or Program Director or Faculty Advisor:				TOTAL BACHELOR OF SCIENCE CREDITS		55	
				♦Writing Intensive: 2 WI in the major and 2 WI in Gen Ed are required			
Advisor Signature _____ Date _____				Note: Note: All course substitutions or waivers must be approved in writing by the Department Chair or Program Coordinator.			
Student Signature _____ Date _____							



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300 JAY STREET, BROOKLYN, NY 11201-5406
718-260-5360

NEW GEN ED COMMON CORE
Start Date: As of Fall 2013

BACHELOR OF SCIENCE IN RADIOLOGICAL SCIENCE

120 credits required

34 must be in residence

ADVISEMENT SHEET

Student Name:	EMPL ID#:
Address:	Email:
Phone:	Certification/s:
Med. Imaging/Therapy Area:	Registration Period:
State License:	Faculty Advisor:

PROGRAM SPECIFIC COURSES: 60			GEN ED COMMON CORE: 45 + OTHER PROGRAM SPECIFIC: 15		
RAD 1124	Intro to Rad Tech	1	1. REQUIRED CORE: 14		
RAD 1125	Rad Procedures I	2	ENG 1101	♦English Comp I	3
RAD 1126	Image Production & Eval I	2	ENG 1121	♦English Comp II	3
RAD 1127	Patient Care & Management	2	MAT 1275	College Algebra & Trigonometry or Higher	4
RAD 1128	Rad Protection & Bio	2	BIO 2311	Anatomy & Physiology I	4
RAD 1225	Rad Procedures II	2		Subtotal	14
RAD 1226	Image Production & Eval II	2	2. FLEXIBLE CORE: 19		
RAD 1227	Rad Pathology	3		*WORLD CULTURE & GI	3
RAD 1228	Clinical Education I	2		*US EXPERIENCE	3
RAD 1229	Clinical Education II	3		*CREATIVE EXPRESSION	3
RAD 2325	Rad. Procedures III	2	PHIL 2203	Health Care Ethics	INDIVIDUAL & SOCIETY 3
RAD 2326	Radiographic Physics	2	BIO 2312	Anatomy & Physiology II	SCIENTIFIC WORLD 4
RAD 2327	Cross Sectional Anatomy	2	PSY 1101	Intro to PSY	ADDITIONAL FLEXIBLE CORE 3
RAD 2328	Clinical Education III	3		Subtotal	19
RAD 2425	Advanced Rad Procedures	2	3. COLLEGE OPTION REQUIREMENT: 12		
RAD 2426	♦Imaging Modalities	2	COM 1330	Public Speaking or higher	3
RAD 2427	Seminar	2		*INTERDISCIPLINARY COURSE	3
RAD 2428	Clinical Education IV	3		FL OR LIB ARTS	3
RAD 2429	Clinical Education V	2		FL OR LIB ARTS	3
	AAS Program Subtotal	41		Subtotal	12
RAD 3527	Advanced Patient Assessment/Pharm	3	4. OTHER PROGRAM SPECIFIC REQUIRED COURSES: 15		
RAD 3627	Advanced Sectional Anatomy	2	MAT 1272	Statistics	3
RAD 3628	Pathophysiology for Med. Imaging	2	PHYS 2603	Physical Principles of Medical Imaging	3
RAD 4726	Advanced Medical Imaging I	3	LIB 1201	♦Research & Documentation for the Info Age	3
RAD 4826	Advanced Medical Imaging II	3	ECON 1101	Macroeconomics	3
RAD 4828	Medical Informatics QM/HIS	3	PSY 3405	Health Psychology	3
RAD 4830	♦Leadership Roles in Med Imaging	3		Subtotal	15
	BSRS Program Subtotal	19		Total	60
	Total	60			

<p>♦Writing Intensive (WI): 2 WI in the major and 2 WI in Gen Ed are required *Any Approved Course (See Gen Ed Pathways)</p>	<p>Student approved by Department Chair or Program Director or Faculty Advisor:</p>
<p>Note: Note: All course substitutions or waivers must be approved in writing by the Department Chair or Program Coordinator.</p>	<p>_____ Advisor Signature Date</p> <p>_____ Student Signature Date</p>



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