



Health Sciences
Handbook
2022 - 2023

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Chattahoochee Technical College Mission, Vision & Core Values

Chattahoochee Technical College is an open access two-year college with eight campuses located in a service area of six counties in north central Georgia that offers associate degrees, diplomas, certificates, and general education courses through traditional campuses and online means as well as non-credit and adult education training. The college is committed to meeting the needs of business and industry in a changing environment and to providing opportunities for lifelong learning for all members of its community. Chattahoochee Technical College's mission outlines its role in offering program and service that target workforce and individual development:

Mission

The mission of Chattahoochee Technical College is to strengthen individuals and businesses through workforce training.

Vision

The vision of Chattahoochee Technical College is to be the preferred choice for quality education and training in the communities we serve.

Core Values

Chattahoochee Technical College is a dynamic learning college committed to achieving its Mission and Vision upholding the following College Values:

- Integrity
- Academic Excellence
- Student Centered
- Responsiveness
- Diversity

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Chattahoochee Technical College's Equity Statements

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, programs financed by the federal government including any Workforce Innovation and Opportunity Act (WIOA) Title I financed programs, educational programs and activities, including admissions, scholarships and loans, student life, and athletics. It also encompasses the recruitment and employment of personnel and contracting for goods and services.

Chattahoochee Technical College is committed to providing accessible education to all students. We are working toward making our electronic and information technologies accessible to individuals with disabilities by meeting or exceeding the requirements of Section 508 of the Rehabilitation Act (29 U.S.C. 794d), as amended in 1998. Section 508 is a federal law that requires agencies to provide individuals with disabilities equal access to electronic information and data comparable to those who do not have disabilities, unless an undue burden would be imposed on the agency. More information on Section 508 and the technical standards can be found at www.section508.gov.

Chattahoochee Technical College, the Technical College System of Georgia and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity. The following persons have been designated to handle inquiries regarding the nondiscrimination policies: the Chattahoochee Technical College Title IX Coordinator, Shanequa D. Warrington, 980 South Cobb Drive, Building C 1102B, Marietta, GA 30060, 770-975-4023 or sdwarrington@chattahoocheetech.edu, and the Chattahoochee Technical College Section 504/ADA Coordinator Caitlin Barton, 5198 Ross Road, Building A1320, Acworth, GA 30102, 770-975-4099, or Caitlin.Barton@ChattahoocheeTech.edu, and the Chattahoochee Technical College Section 508/ADA Coordinator Stephanie Meyer, 980 South Cobb Drive, Building A 2114, Marietta, GA 30060, 770-528-3761, or Stephanie.Meyer@Chattahoocheetech.edu.

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Student Support Services

Purpose:

The purpose is to support student success through quality activities and services designed to enhance academic, personal, and career development. These activities and services support student learning efforts and assist them in developing skills necessary for successful completion of their educational goals. Some of these services are listed below. Complete student resource guides can be found in the libraries and student success centers.

Student Identification Cards:

All students are required to have a validated identification card. ID cards must be presented to check out books from the library, to have access to computer labs, and to gain admission to various student activities. New students receive an ID card free of charge; replacement cards cost \$5.00. ID cards for new students are made each semester. ID cards for returning students are validated at the various campuses.

Insurance:

Credit students are enrolled in a student accident insurance program. Coverage is provided for activities on-campus as well as those activities sponsored by the college. Students enrolled in Allied Health or Cosmetology clinical classes shall also purchase professional liability insurance.

Academic Success Centers:

Support services available at the Success Centers include the following:

- Free tutoring in English, Math, Biology, and Reading, among other subjects
- Open computer lab
- On-line learning center where all students may access tutorials and many other resources
- COMPASS diagnostic tests
- Quiet location for working on assignments

Computer Labs:

Computers for general use by students are provided on all campuses (excluding the Austell Campus) either in a separate lab or in conjunction with the Library or Academic Success Centers. Students need a current, validated student ID card to use the labs.

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Library Services:

There is a library at each campus (excluding the Austell Campus). The library offers a variety of services including countless Internet resources, journals, magazines, books, and many other materials for conducting research or reading for pleasure. The library also offers assistance with class papers, projects, and assignments (a librarian is available by telephone for extra assistance, or may be scheduled to come to a specific class as needed). There are also printers, photocopiers, quiet study areas, and tables for individual or group study in many of the libraries on other campuses. Online resources may be accessed from off-campus locations and Interlibrary Loan (ILL) is available for books or articles not owned by Chattahoochee Technical College. For a complete list of print and electronic resources, as well as procedural guidelines, please visit the Library webpage on the Chattahoochee Technical College webpage. ad

Office of Career Development:

The Office of Career Development at Chattahoochee Technical College is dedicated to education and empowering students and alumni in the career development process through facilitating self-assessment and career exploration for development of clear career objectives, promoting avenues for experiential learning, providing assistance in job search and transition to professional life, cultivating and maintaining partnerships with employers, and serving as a resource to staff, faculty and community. Please visit the Career Services page on the Chattahoochee Technical College website for additional information.

Walk-in hours for Marietta Campus and North Metro Campus:

Monday and Wednesday, 8:00 a.m. to 12:00 noon (subject to change)

770.529.2388 E-Mail: career.services@chattahoocheetech.edu

Office of Student Involvement:

The Mission of the Office of Student Involvement (OSI) is to enhance the academic education of students at Chattahoochee Technical College by engaging them outside the classroom. The OSI is committed to the philosophy of supporting the development of students and strives to achieve this goal through the implementation of a diverse array of campus organizations, enriching activities, and events. Student engagement activities can be found on all campuses. Upcoming events are posted on campus signs and sent out via student email accounts.

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Office of Student Resources (OSR):

It is the mission of Office of Student Resources to provide student-centered, comprehensive programs, services and events, which promote equality, enhance the educational experience, foster success, and contribute to the economic self-sufficiency of students who are members of special populations.

Special Populations includes the following:

- Single parent students who have the primary or joint custody of a dependent child. May be divorced, widowed, legally separated, or never married.
- Single pregnant women.
- Displaced homemakers have worked without pay to care for a home and/or family and for that reason have diminished marketable skills and have been dependent on the income of another family member but is no longer supported by that income.
- Economically disadvantaged students who are Pell Grant recipients or who are receiving federal assistance such as Food Stamps and/or Medicaid.
- Students enrolled in nontraditional programs of study that lead to occupations or fields that have 25% or less of their gender employed within the occupation
- Limited English proficiency students
- Students with disabilities

OSR services are available to meet the needs of qualifying students. Services include but are not limited to workshops and training on educational, employability and life skills; institutional and community resources and referrals; and resource fairs and other events. A Textbook Lending Program is available to qualifying students. For more information, please visit the Special Populations Services page of the Chattahoochee Technical College website and/or contact the coordinator, Shanequa D. Warrington at 770-975-4023 or via email sdwarrington@chattahoocheetech.edu. Her office is located on the Marietta campus, Building C 1102B.

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Student Financial Services:

Chattahoochee Technical College offers a wide range of financial services to our students, ranging from collecting tuition and fees to administering a variety of financial aid options to issuing refunds that are due. For your convenience, most campuses house a Financial Services office. Additional information on Financial Services including refund, no-show and student financial obligation policies can be found at the college's website Financial services page.

Veterans Support:

Chattahoochee Technical College has been designated a Military Friendly School and provides specific resources, including a special Green Zone Team, to support military service veterans and their family members. The goal is to support military veterans as they begin, continue, and complete their academic goals.

The Superior Plumbing Veterans Education Career Transition Resource (VECTR) Center is located at the Marietta Campus and includes the AT&T Resource Center for Academic Success and Career Exploration. The Center is staffed by CTC students who share Veteran status and provides a place for Veteran students to access resources and socialize with fellow veteran students. For hours of operation and other information, please visit the Veteran Services page of the Chattahoochee Technical College Webpage or contact the coordinator, Michael C. Payne (US Army) at 770.443.3491 or via email VeteranServices@chattahoocheetech.edu

International Center/ International Services:

The International Center provides services that support the college's non-immigrant, international, permanent resident, exchange, and foreign-born student population. It provides pre-admission to post-graduation assistance. Programs that support the international community and international initiatives are directed through the International Center/International Services.

Services include assisting international students with special admission requirements, visa issues, and other matters related to the admission process.

Visa advisement includes but is not limited to: Issuance of I-20's, travel documents, work permission certifications, change of status, reinstatements, documents for dependents and SEVIS reporting/record management.

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Additional services include counseling and advisement for academic, personal, financial and cross-cultural adjustment. International Services also offers an international student orientation, student advocacy, and assistance with obtaining insurance, social security numbers, driver's licenses, and tax information for nonresidents.

The International Center is involved in various international programs. Programs include participation in student exchange programs, study abroad, and the International Club (an active support group of the international community). The International Education Week Festival is a major event on campus highlighting the college's international community with cultural events and professional discussions on global topics of interest. For more information, please visit the International Services page of the Chattahoochee Technical College website.

International Services for All Campuses:

Office Hours: Monday to Friday, 8:00 a.m. to 4:00 p.m.

The Workforce Innovation and Opportunity Act (WIOA):

WIOA stands for Workforce Innovation and Opportunity Act and was established in 1998 to prepare adults and dislocated workers for entry and re-entry into the workforce. WIOA training funds are designed to serve laid-off individuals and eligible, low income adults who are in need of training to enter or re-enter the labor market. WIOA at Chattahoochee Technical College serves three workforce regions. Your region is determined by the county you reside in or the county of the employer who laid you off. The campus you attend, or where your program of study is located, does not determine which region you can receive services from. Please reach out to your region's WIOA coordinator to discuss your eligibility. For additional information, please visit the Workforce Innovation and Opportunity Act page of the Chattahoochee Technical College website.

Appalachian Campus: (706) 253-4617

North Metro Campus: (770) 345-1098

Cherokee CRC: (770) 800-2593

Paulding Campus: (770) 443-3622

Cobb Works: (770) 528-4300

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Disability Support Services (DSS):

Chattahoochee Technical College believes that all students should have equal access to higher education and will provide accommodations and services that are individualized and appropriate for students with documented disabilities

Students who have a physical, mental health, medical, or cognitive impairment that substantially limits one or more of the major life activities may be served by Disability Support Services (DSS). To this end, Chattahoochee Technical College ensures college access to students with documented disabilities as required by the Section 504 of the 1973 Rehabilitation Act and the 1990 Americans with Disability Act and its amendments. These laws guarantee that qualified students with disabilities have equal access to the physical facilities at Chattahoochee Technical College and to educational programs. Major life activities include the ability to perform certain functions such as self-care, walking, seeing, hearing, speaking, breathing, learning and working. The disability may be permanent or temporary. We are dedicated to assisting students by offering a number of resources accessible to all students, despite their limitations. For more information students may contact DSS.

Students who have physical or emotional disabilities or learning challenges may benefit from reasonable accommodations and/or assistive in the classroom. To request accommodations, equipment, or other services students must provide current professional documentation describing the disability and appropriate accommodations. Disabilities may be temporary or permanent impairments, and can include (but are not limited to):

- Physical Impairments: Visual, hearing, mobility, chronic illness, speech
- Psychological Impairments: Depression, bipolar disorder, anxiety, schizophrenia, OCD
- Learning Disorders: Learning disabilities, acquired brain injury, ADD, ADHD
- Medical Conditions: Diabetes, Crohn's disease, Seizure disorder, etc.

In order to enroll in Disability Support Services and receive accommodations at Chattahoochee Technical College, it is the student's responsibility to self-disclose their disability to the Disability Support Services. Students must then submit documentation that must come from a medical professional, dated within the past 5 years that verifies the disability or diagnosis. Students are then responsible for scheduling an intake session with Disability Support Services to complete the process of enrollment in DSS.

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Students must be aware that accommodations may be offered to alter the way in which material is presented, but in no way modifies course content or program requirements as established by the Technical College System of Georgia. Accommodations that compromise the academic integrity or fundamentally alter the nature of a program or course are not allowed.

Prospective Health Sciences students with a disability who have not previously disclosed that disability and requested accommodation, but now wish to do so, the department of Disability Support Services at Chattahoochee Technical College coordinates a variety of support services. Students may request services or accommodations to fit their individual needs by providing appropriate documentation as to the degree of disability. To initiate services, applicants must contact the Disability Support Services Coordinator, Caitlin Barton. She can be reached at (770) 975-4099 or via email to Caitlin.Barton@chattahoocheetech.edu. Her office is located on the North Metro campus, A1320.

Each Health Sciences program has a current list of Essential Functions needed to complete the academic program. Each Health Sciences academic program identifies the same Essential Functions found in its occupation. All students will be trained to acquire and demonstrate these functions in each program of study.

Health Sciences programs require clinical education which requires students to work directly with patients under the supervision of a licensed practitioner. All student must demonstrate that they can provide and support patient safety prior to their placement in the clinical education setting.

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Public Safety/Campus Police

The Department of Public Safety/Campus Police is charged with the mission of providing a safe environment in which the faculty, staff, students, and visitors to Chattahoochee Technical can pursue the primary mission of Chattahoochee Technical College, which is that of providing educational opportunities for the workforce of Georgia in the areas served by the respective campuses. Campus safety is the top priority of the Public Safety department. As such, every campus has law enforcement officials on site. If you see something or someone suspicious, say something immediately. All Chattahoochee Technical College Police Officers have the power of arrest and the authority to enforce all Federal, State and Local laws in a fair and impartial manner. Their jurisdiction includes the entire campus and extends to any Chattahoochee Technical College property controlled by the Technical College System of Georgia. Services Provided:

- Escorts to and from vehicles
- Investigative services
- Medical emergencies
- Emergency jump starts
- Parking permits
- Student identification cards
- Lost and Found
 - Found items should be turned into Campus Police as soon as possible. If you are inquiring about a lost item, please contact Campus Police at 770-529-2311.
- Routine patrols

Public Safety/Campus Police will not unlock vehicles to retrieve keys. Emergency situations, in regards to unlocking your vehicle will be handled on a case by case basis. For more information, please visit the Public Safety/Campus Police page of the Chattahoochee Technical College website.

CAMPUS POLICE PHONE NUMBER: 770-529-2311

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Student Rights

Students of Chattahoochee Technical College are guaranteed all of the rights, privileges and freedoms granted to a citizen of the United States. In addition, they are entitled to an environment that is conducive to learning and individual growth. To this end, students enrolled at Chattahoochee Technical College assume a citizen's responsibility to abide by federal, state, and local laws. Violations of statutory laws or of Chattahoochee Technical College student conduct regulations or other Technical College System of Georgia policies, rules and regulations may lead to disciplinary actions by Chattahoochee Technical College. These regulations do not deny any previously guaranteed rights and privileges, but ensure a pleasant educational environment for all Chattahoochee Technical College students.

Students have the right:

1. To be in an atmosphere that is conducive to learning and to attend educational programs, courses, offerings and activities on campus or any activity sponsored by the College off campus in accordance with Chattahoochee Technical College policies and procedures.
2. To obtain the necessary knowledge, skills, and abilities in order to gain initial employment, maintain advanced levels of competence or acquire new levels of competence by participating in programs, courses, offerings, and activities in accordance with Chattahoochee Technical College policies and procedures.
3. To develop intellectual, personal, and social values.
4. To due process procedures.
5. To participate in institutional/program decision making in accordance with Chattahoochee Technical College policies and procedures.
6. To participate in approved student organizations in accordance with Chattahoochee Technical College policies and procedures. To privacy as outlined in the Family Education Rights and Privacy Act (FERPA) and through the Gramm-Leach-Bliley Act (GLBA).

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Student Privacy and Confidentiality

FERPA:

The Family Educational Rights and Privacy Act (FERPA) provides certain rights to students with respect to their education records. Those rights are as follows:

- The right to inspect and review the education record within 45 days of the day the College receives a request for access
- The right to request amendment of the education record if the student believes the record is inaccurate or misleading
- The right to consent to disclosures of personally identifiable information contained in the student's education record, except to the extent that FERPA authorizes disclosure without consent
- The right to file a complaint with the United States Department of Education concerning alleged failure of the College to comply with the requirements of FERPA

Directory Information:

FERPA requires the College, with certain exceptions, to obtain a student's written consent prior to the disclosure of personally identifiable information from that student's education records.

However, the College may disclose appropriately designated "directory information" without written consent unless the student has advised the College to the contrary. Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can also be disclosed to outside organizations without the student's prior written consent.

In accordance to FERPA, the College may release additional information without the student's written consent to the following:

- School officials, as identified by the College, determined by the College to have a legitimate educational interest in the student information
- Officials of other institutions to which the student seeks enrollment
- Persons or organizations providing financial aid to the student or determining financial aid decisions
- Accrediting organizations carrying out their accrediting functions
- A parent of a student who has established that the student is a dependent according to the IRS Code of 1986, Section 152
- Persons in compliance with a judicial order or a lawfully issued subpoena
- Persons in an emergency situation, if the knowledge of the information is necessary to protect the health or safety of the student or other persons

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Student Privacy and Confidentiality

Information to Military Recruiters:

The Solomon Amendment to FERPA requires the College, upon request, to provide “student recruiting information” on any currently enrolled student who is at least 17 years old to any branch of the armed services. “Student recruiting information” is defined by federal law as name, address, telephone numbers, age or date of birth, class level, degrees received, major, most recent educational institution attended. Recruiters must submit their requests in writing to the Registrar’s Office.

Further details on all rights granted by FERPA can be found in the online college catalog. Questions regarding Chattahoochee Technical College’s compliance with FERPA may be directed to the Office of the Registrar, 770.528.4527.

Student/Education Record:

In most cases, any record generated or received by the College related to a student, whether academic or non-academic, is considered part of that student’s education record and is kept in confidence according to all appropriate federal, state, and local laws, regulations, and policies. Education records include any records (in handwriting, print, tapes, film, computer, or other medium) maintained by Chattahoochee Technical College that are directly related to a student.

Education Record Maintenance:

Faculty members maintain course assignment grades and submit final grades to the Office of the Registrar at the conclusion of each semester. The Registrar is responsible for the accurate and confidential maintenance of students’ academic records. Academic transcripts will contain only academic status information. Financial Aid and other financial records are maintained by the Office of Student Financial Services. Disciplinary and counseling records are maintained separately from academic records.

Compliance with FERPA and GLB:

Chattahoochee Technical College adheres to the Family Educational Rights and Privacy Act (FERPA) of 1974 and the Technical College System of Georgia procedures concerning the accuracy and privacy of student education records. (TCSG Policy V.J.) In compliance with FERPA, students at Chattahoochee Technical College have the right to assurance that the records compiled and maintained by the College are recorded accurately and retained in confidence.

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Chattahoochee Technical College also complies with the Financial Services Modernization Act of 1999, also known as the “Gramm-Leach-Bliley Act” or GLB Act, which includes provisions to protect consumers’ personal information held by financial institutions, including postsecondary institutions. The GLB Act requires that schools have in place an information security program to ensure the security and confidentiality of customer information, protect against anticipated threats to the security or integrity of such information, and guard against the unauthorized access to or use of such information. There are three principal parts to the privacy requirements: The Financial Privacy Rule, Safeguards Rule and pretexting (sometimes referred to as “social engineering”) provisions. Additional information on the GLB Act can found at www.ftc.gov/privacy/glbact/.

Further details on student records and privacy can be found in the online college catalog.

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Authorization for Release of Records and Information

TO: The Technical College System of Georgia or any of its member Colleges (hereinafter referred to as the “College”), and any Facility where I participate in or request to participate in an applied learning experience (hereinafter referred to as the “Facility”).

As a condition of my participation in an applied learning experience and with respect thereto, I grant my permission and authorize The Technical College System of Georgia or any of its member Colleges to release my educational records and information in its possession, as deemed appropriate and necessary by the College, including but not limited to academic record and health information to any Facility where I participate in or request to participate in an applied learning experience, including but not limited to the Facility (hereinafter referred to as the “Facility”). I further authorize the release of any information relative to my health to the Facility for purposes of verifying the information provided by me and determining my ability to perform my assignments in the applied learning experience. I also grant my permission to and authorize the Facility to release the above information to the College. The purpose of this release and disclosure is to allow the Facility and the College to exchange information about my medical history and about my performance in an applied learning experience.

I further understand that I may revoke this authorization at any time by providing written notice to the above stated person(s)/entities, except to the extent of any action(s) that has already been taken in accordance with this “Authorization for Release of Confidential Records and Information”.

I further agree that this authorization will be valid throughout my participation in the applied learning experience. I further request that you do not disclose any information to any other person or entity without prior written authority from me to do so, unless disclosure is authorized or required by law. I understand that this authorization shall continue in force until revoked by me by providing written notice to the College and the Facility, except to the extent of any action(s) that has already been taken in accordance with this “Authorization for Release of Records and Information”.

In order to protect my privacy rights and interests, other than those specifically released above, I may elect to not have a witness to my signature below. However, if there is no witness to my signature below, I hereby waive and forfeit any right I might have to contest this release on the basis that there is no witness to my signature below. Further, a copy or facsimile of this “Authorization for Release of Records and Information” may be accepted in lieu of the original.

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Authorization for Release of Records and Information

I have read, or have had read to me, the above statements, and understand them as they apply to me. I hereby certify that I am eighteen (18) years of age or older, or my parent or guardian has signed below; that I am legally competent to execute this "Authorization for Release of Records and Information"; and that I, or my parent and/or guardian, have read carefully and understand the above "Authorization for Release of Records and Information"; and that I have freely and voluntarily signed this "Authorization for Release of Records and Information".

This the _____ day of _____ 20____

Name: _____ Name: _____
(Please print) (Please print)

(Signature) (Witness Signature)

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Title IX & Equity: What is Title IX?

The Technical College System of Georgia and its constituent technical colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all TCSG and technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life and athletics. It also applies to the recruitment and employment of personnel and the contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veteran's Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

TCSG and the technical colleges are expected to promote the full realization of equal opportunity through affirmative and continuing practices. TCSG and each technical college shall develop Affirmative Action Plans based on federal guidelines to ensure compliance with applicable mandates. Each is required to report and monitor Affirmative Action Plan data as directed by federal compliance guidelines.

Chattahoochee Technical College Equity Statement:

Chattahoochee Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, programs financed by the federal government including any Workforce Investment & Opportunity Act of 1998 (WIOA) Title I financed programs, educational programs and activities, including admissions, scholarships and loans, student life, and athletics. It also encompasses the recruitment and employment of personnel and contracting for goods and services.

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Title IX & Equity: What is Title IX?

The Technical College System of Georgia and Chattahoochee Technical College shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity. The following persons have been designated to handle inquiries regarding the nondiscrimination policies: the Chattahoochee Technical College Title IX Coordinator, Shanequa D. Warrington, 980 South Cobb Drive, Building C 1102B, Marietta, GA 30060, 770-975-4023 or sdwarrington@chattahoocheetech.edu, and the Chattahoochee Technical College Section 504/ADA Coordinator Caitlin Barton, 5198 Ross Road, Building A1320, Acworth, GA 30102, 770-975-4099, or Caitlin.Barton@ChattahoocheeTech.edu, and the Chattahoochee Technical College Section 508/ADA Coordinator Stephanie Meyer, 980 South Cobb Drive, Building A 2114, Marietta, GA 30060, 770-528-3761, or Stephanie.Meyer@Chattahoocheetech.edu

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Confidentiality and HIPAA

As a Health Sciences Student, contact with confidential and protected health information will occur. This information may be personal, clinical, financial, or other. Information may be computerized (electronic health record), hard copy or verbal in nature.

Examples of confidential information can include, but is not limited to: health records, employee records, financial records, reports, information distributed to work areas, or any other information found in the course of business. Confidential information includes information learned through discussion in clinical practice on and off campus, from employees and medical staff, patients, and patient families or friends.

Health Sciences students shall maintain all aspects of confidentiality. Students are accountable for being aware of the legal implications, in regard to patient privacy and confidentiality rights as per HIPAA guidelines and regulations. The following guidelines are required:

- Confidentiality of patient information must be protected by the student.
- The student shall not disclose any protected health information gained from review of medical records, databases, studies, committee minutes and reports or from any other source.
- Access to patient information that you are not assigned to for care and/or research is prohibited, including your own personal health information.
- Patient, family, or health related information may not be photocopied or removed from the healthcare setting.
- Security guidelines for accessing and documenting in the electronic record must be followed.

As a student, it is your responsibility to protect the confidential and private information you have contact with. You must protect information from loss, destruction, tampering and inappropriate access and use, including inappropriate disposal or any dissemination via social media.

Any breach of confidentiality or privacy practices represent a failure to meet the legal, professional, and ethical standards and will constitute a violation of this statement. A breach can include any unnecessary, unauthorized, unintentional, or intentional use or disclosure of confidential information due to carelessness, curiosity or concern, for personal gain or malice, and including informal discussion both in the healthcare facility, outside the facility, or at the college. Such breaches may result in disciplinary action which may include an inability to continue in the program and civil or criminal penalties from the college, individuals, or affiliated organizations.

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Confidentiality and HIPAA

Violations of this guideline include, but are not limited to:

- Accessing information that is not within the scope of the student's assignment;
- Misusing, disclosing without proper authorization, or altering client or personnel information;
- Disclosing or using another person's electronic or computer codes or passwords;
Leaving a secured application (written or electronic) unattended during assignment;
- Attempting to access a secured application without proper authorization.

Any breach of confidentiality, privacy, or security of protected health information may prevent a student from progressing in the program and/or suspension from the college.

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Conflict of Interest

Webster's Dictionary defines conflict of interest as: Any financial or other interest which conflicts with the service of an individual because it could (1) impair the individual objectivity, or (2) create an unfair competitive advantage for any person or organization.

A conflict of interest exists when a student has a relationship with a family member that can potentially become bias in such a way that the student (or a member of the student's immediate family) could potentially stand ultimately to benefit by his or her relationship to that outside member.

A conflict of interest may also exist if the student is currently an employed adjunct faculty member of Chattahoochee Technical College.

All students must operate in a manner that avoids any conflict of interest, this includes: family interest such as a spouse, child, or other close relatives.

Students may not be allowed to be placed on a practicum site where a family member is currently employed. This would be a conflict of interest.

Failure to disclose a conflict of interest at your designated externship site will result in the removal from that site.

Chattahoochee Technical College

Health Sciences Handbook

Protocol for Student Clinical/Lab Exposure

Purpose:

This protocol was designed to clarify the procedure to be followed in the event a student is accidentally exposed to blood or other bodily fluids during clinical or lab assignments. This protocol will apply to all Health Sciences students who may accidentally incur a significant percutaneous or mucosal exposure (*see definition below*) to blood or other bodily fluid, which may expose them to any of the hepatitis viruses, the human immunodeficiency virus (HIV), and / or other blood-borne pathogens.

Blood and / or body fluid exposure is defined as any of the following:

- Percutaneous inoculation: needle stick or "sharps" injury
- Non-needle percutaneous exposure: open cuts and / abrasions
- Direct mucosal membrane contact: accidental splash
- Direct hand contact: with large amounts of blood and / or body fluids without glove protection. Hands may have small nicks or cuts which may allow a virus to enter through the skin.

Student Responsibilities:

1. Effective prevention depends upon adequate immunization against hepatitis B, and the conscientious, consistent use of Standard Precautions. Students are responsible for obtaining the necessary immunizations and using proper precautions in situations where exposure to blood or body fluids may potentially occur.
2. If an accidental exposure occurs, immediately wash the area of exposure, and report the incident to the designated site clinical instructor. The clinical coordinator or program director should be notified immediately of the exposure and an institutional incident report will be completed and submitted according to clinical site policy. In addition, a Chattahoochee Technical College Incident Report must be completed by the clinical supervisor and submitted to the clinical coordinator within 24 hours.
3. The student will immediately report incident to the program director and clinical coordinator at school.
4. It is the student's responsibility to comply with necessary medical screening, treatment, and follow-up. Failure to do so will release the program and clinical site from liability.

Chattahoochee Technical College Health Sciences Handbook

Protocol for Student Clinical Exposure

Faculty Responsibilities:

1. Program faculty members are expected to reinforce the use of standard precautions with students through education and practice.
2. In the event an exposure is reported, the faculty will:
 - Determine the extent of the exposure
 - Ascertain the client's blood-borne pathogen status as soon as possible following the exposure. The faculty will comply with the clinical affiliate procedures for obtaining necessary testing if client status is not known.
 - Ensure completion of the CTC Incident Report.
 - Counsel the student regarding the accidental exposure and inform on the procedure for obtaining follow up care and treatment.

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Health Sciences Handbook

Attendance Procedures

If a student is absent or tardy for 10% or more of a didactic course, they will earn a grade of F regardless of other graded exams/assignments and be unable to progress in the program.

- Class includes any scheduled in-person, virtual, or off-site activity related to a course. Students are responsible for knowing how attendance is tracked in each situation for their program.
- Tardies are defined as arrival after an instructor has started teaching class including after break times; and leaving class early
- For purposes of attendance, three tardies in a course will be recorded as one absence.
- Missing $\geq 25\%$ of any class is counted as one absence.
- Prolonged illnesses beyond Sick Leave or other legitimate verified absences will count towards the 10% guideline and may be addressed via the grade appeal process.

Each student is responsible for knowing how their individual program tracks attendance. Students must notify their instructor in person or via email or telephone if they are going to be absent/tardy. Some Health Sciences programs include a professionalism grade, please see individual program handbooks for professionalism grading consequences. Summer semester and parts of term courses may have different attendance expectations; see the course syllabus for this information.

If a student is absent from class, it is the student's responsibility to obtain all class notes and assignments upon their return to class from their fellow students and/or the instructor. Students absent from class will be held responsible for the materials missed. After each absence and/or three tardies, students will be notified with an attendance warning (form below) containing a summary of their current status, to be signed by the student and the instructor/program director.

If a student is absent the day of a scheduled exam, it must be completed on the first day the student returns to class or on a day determined by the program director. Approval for taking a makeup exam will require signed medical documentation or official documentation of extenuating circumstances such as death obituary, official accident report, note from physician, etc. Students will receive a 10-point deduction on any missed exam without the above documentation. Makeup exams may have different questions and/or may be in a different format, such as discussion, short answer, etc. Failure to make up the missed exam the day of return will result in a grade of "0" being assigned.

Chattahoochee Technical College

Health Sciences Handbook

Attendance Procedures

Exposure Control:

Absences from class at the recommendation of Exposure Control may be exempt from Attendance Procedures. Procedures in each situation, and any appropriate accommodations, will be determined based on program requirements and the nature of the content missed.

Sick Leave:

Each academic semester, each student will be allotted 1 calendar day of “Sick Leave” to be used in the event of illness. Absences from class on Sick Leave will not count towards the 10% guideline, but all other attendance procedures will apply. Students absent from class on Sick Leave will still be responsible for the materials missed, including exams. Sick Leave will not be available during Clinicals unless specified by a student’s individual program.

Bereavement Leave:

As soon as possible, the student should contact the program director in person, by email or telephone following a bereavement event. Any student requesting bereavement leave must complete all missed assignments and exams according to the above guidelines upon return to class. Students granted bereavement leave may be required to make up clinical hours dependent on their program’s requirements. Time missed due to bereavement leave will count toward the 10% attendance requirements above.

**Chattahoochee Technical College
Health Sciences Handbook**

Attendance Warning

Student Name: _____

Course: _____

This is notification that the above student has been absent _____ times and/or tardy _____ times for this course per the definitions of absent and tardy in the program handbook.

The course is scheduled to meet _____ times/hours this semester. 10% = _____ classes/hours. (Note that three tardies equal one absence for purposes of attendance)

My signature below denotes that I am aware of the attendance requirements in Health Science Programs. I further understand that if I am unable to meet the attendance requirements and miss more than 10% of any course, for any reason, I will earn a grade of F in this course, regardless of other graded exams/assignments and be unable to progress in the program.

Student Signature: _____ Date: _____

Course Instructor: _____ Date: _____

Program Director: _____ Date: _____

A copy of this form will be given to the student once signed. The course instructor will receive one copy, and a copy will be maintained in the student's program file.

Chattahoochee Technical College

Health Sciences Handbook

Classroom Expectations

It is the expectation that students in the Health Sciences division will exhibit appropriate professional conduct and represent their profession effectively. In return, faculty will assist students in identifying and describing the professional behaviors deemed necessary for success in the healthcare field. Faculty will further commit to promoting the growth and development of each student as future healthcare professionals. Therefore, professional behaviors are expected in the classroom/lab at all times. These include, but are not limited to the following:

Mutual Respect and Appropriate Boundaries:

Respect the opinion of others in the class when in agreement or disagreement; sharing of opinions and ideas is healthy. This is key to a professional demeanor in the academic environment. Any behavior, including profane language that creates discomfort in classmates or faculty interferes with the right to participate in the learning process. Respectful behavior towards classmates and instructors is expected.

Classroom Procedures:

An instructor entering a classroom is usually a sign that class will begin (unless arriving early to prepare the room). Students are expected to be seated and ready at the scheduled class start time.

Class Breaks:

Class breaks will be given at the discretion of the instructor but typically once per hour during lectures. Students are expected to return from breaks at the appointed time. Refer to attendance procedures for consequences of tardiness.

Questions:

Questions enhance the learning process and provide opportunity to elaborate on concepts discussed. Questions usually benefit the entire class when they are relevant to the materials being presented and are a vital component of the learning process.

Students who have a question during class, should raise their hand and wait to be recognized by the instructor. If another student asks a question, students are free to add to the discussion in turn.

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Health Sciences Handbook

Classroom Expectations

Questions should be posed in a genuinely curious or inquisitive manner. Asking questions in a respectful manner promotes clarification of materials presented, generates relevant discussion, and opens the door to beneficial communication. Challenging or argumentative tones do not promote scholarly discussion and adversely affect the learning process.

Speaking while the instructor is speaking is distracting to the instructor and other students in the class. Additionally, other distracting behaviors should be avoided (sleeping in the classroom, noises that may create an environment that is not conducive to learning, etc).

Faculty have the right to request that a disruptive student leave the classroom. If this occurs, they will be marked absent for the class period and may be subject to disciplinary procedures according to Classroom Behavior Procedures found in this handbook. Students are expected to maintain a positive attitude and be receptive to the information that is being offered by faculty.

Exam Procedures:

Each written exam or quiz is given with a time limit involved. Students should not approach the instructor with their exam unless ready to turn it in. Once the exam is completed and turned in, students should sit quietly at their desk or leave the room quietly. Electronic exams/quizzes are also given with a time limit. Students are not allowed to access anything outside of the exam browser window (websites, word documents, etc.). Instructor will provide scratch paper.

Grades and Other Personal Information:

Test grades will be available within one week from the date the test was administered, unless alternate dates are announced by the course instructor. Students are asked to not solicit grades prior to distribution by the instructor. Questions regarding grade/exam discrepancies should be submitted in writing, along with evidence to support the dispute, if applicable.

All students have a right to privacy. Please do not ask other students their scores on written or practical/competency exams or grades on assignments. If a student wishes to share this information, they will volunteer it. Asking students how they score on an examination places them at a disadvantage and violates their right to privacy.

Work Ethics:

Chattahoochee Technical College, as an entity of TCSG, instructs and evaluates students on work ethics in all programs of study. Ten work ethic traits have been identified and defined as essential for student success; appearance, attendance, attitude, character, communication, cooperation, organizational skill, productivity, respect, and teamwork.

Chattahoochee Technical College

Health Sciences Handbook

Classroom Expectations

Cellular phones, recording devices, smart watches, etc.:

All electronic devices should be turned off when entering the classroom/lab. Cell phones which are visible during class are not allowed. Students must notify the instructor prior to class if there is a potentially urgent concern that requires monitoring of phone. In this case, the phone must be on silent and the student may quietly exit the classroom/lab if needed.

Cell phones and any type of watch that does not have a standard watch face are not allowed during exams and if visible will constitute cheating regardless of whether a student was looking at or handling the phone/watch and will be subject to disciplinary action according to the rules of this college and this program.

Any student that wishes to record faculty lectures or demonstrations, either with audio or video recording, is requested to notify faculty member or have a disability services plan that allows for audio recording.

Attire/Dress Code:

Clinical attire is one means of identifying as a healthcare professional. Students are to dress appropriately for class sessions which includes neat, clean clothes and good hygiene. Clothing that is significantly tight and/or reveals cleavage, midriff area, hips or buttocks are not acceptable. Undergarments should not be exposed. Caps are to be removed. Flip flops or Jeans or shorts should not be worn. Jewelry should be kept to a minimum. "Body piercing" jewelry, dangling/hoop earrings, decorative bracelets, necklaces worn outside the shirt collar are not allowed. Most other types of jewelry should be removed for all lab activities. Ear lobes that have been stretched or gauged require the installation/use of flesh toned, solid plugs. Hair should be tied back and off of the shoulders when in the lab. Fingernails should be short and trimmed with no polish or clear polish only. **Your attire should support your image as a healthcare professional.** Certain situations will exist where higher standards of dress are expected (guest speakers, presentations, etc). Business attire will be expected for these situations.

Examples of expected attire:

TOPS: Polo shirts, collared/dress shirts, cardigan, pullover sweaters/blouses

BOTTOMS: Khaki pants/slacks, dress slacks, skirts knee length or longer

SHOES: Closed toe shoes; no athletic shoes

LAB: Varies from program to program but may include sports bra and shorts for females; shorts for males. Athletic shoes acceptable

Some programs may require an approved uniform during class, clinicals, and/or labs.

Chattahoochee Technical College

Health Sciences Handbook

Behavioral Management

Health Sciences students are expected to hold themselves to the highest standard of behavior as they move toward careers with the opportunity to touch and enhance the lives of many people. Professional behaviors including, but not limited to good communication, interpersonal skills, responsibility, use of constructive feedback, stress management, commitment to learning and an effective use of time and resources are expected to be the norm. Any violations will be handled as follows:

Minor academic/professional behavior/offenses will be documented by the program faculty and may be reported to the Student Conduct Officer via the CTC complaint portal. Students will be counseled by the program director following each incident. After two counseling sessions, the student will be placed on probationary status. Three counseling sessions will result in receiving a grade of F in the class, and the student will not be able to progress in the program.

The following are examples of minor academic/professional behaviors (or offenses) but are not limited to:

- Violation of any professional behaviors listed previously in this handbook
- Instigating a negative climate among classmates and/or others
- Negative attitude toward professors, staff, patients, and fellow classmates
- Sleeping in clinical or didactic areas
- Lack of engagement (reading, phone usage, computer usage not related to lecture/discussion)
- Regularly talking to classmates while instructor is talking
- Minor violations of the rules of the classroom or lab
- Causing intentional disruptions during class time
- Failure to adhere to dress code during clinical experience or in the classroom/lab setting
- Failure to follow instructions
- Failure to follow established program rules
- Use of cell phones at clinic or during lab/class time
- Lack of discretion or judgment
- Minor Violations of attendance rules

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Health Sciences Handbook

Behavioral Management

The following are examples of serious academic/professional behaviors (or offenses) but are not limited to:

- Violations of safety rules/procedures
- Intentionally exposing self or other persons to unnecessary safety hazards
- Violating patient confidentiality
- Use of abusive or profane language to patients, visitors, staff or faculty
- Inappropriate behavior towards patients, visitors, classmates, staff or faculty
- Insubordination to faculty, clinical faculty and staff
- Sexual harassment or any inappropriate touching of another person or any other Title IX offense.
- Theft or dishonesty
- Intentional negligence in patient care
- Intoxication and/or use of unauthorized drugs on school or clinical property
- Possession of illegal firearms, explosives, lethal weapons, etc. on school or clinical property
- Violation of the Health Sciences Academic Integrity policy

Any threats to student safety or academic dishonesty will be documented by the program director and the incident will be reported to the Student Conduct Officer via the complaint portal. Serious offenses will result in action including, but not limited to, appropriate complaint referral to the Student Conduct Officer, Behavioral Intervention Team or Title IX coordinator for further investigation and receive a grade of F in the class regardless of other graded assignments/exams. Complaints may be generated by faculty or students per CTC policy.

Note:

Any student found in violation of any serious academic or behavioral expectation will not be eligible for admission and/or readmission in any Health Sciences Program. This process is managed by the college's Student Affairs Department.

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Health Sciences Handbook
Behavioral Management

Counseling Services:

Students that find themselves having difficulty meeting these behavioral expectations or are struggling in any other way, are encouraged to work with the counseling center. They offer workshops and individual counseling sessions to help students share problems with a caring, non-judgmental counselor in order to help them succeed.

Our counselors are equipped to handle a variety concerns including: Anxiety (generalized, social, test), Depression, Panic, Bipolar, Trauma, Grief, Personal/Relationship/Family, PTSD, Academic concerns, Time Management, Work Life Balance, and Stress. Counseling sessions can be done virtually or in the counseling offices on the North Metro or Marietta campus locations.

For additional information, please visit the Counseling Services and Student Advocacy page of the Chattahoochee Technical College Webpage or email them directly at Counseling@ChattahoocheeTech.edu

Chattahoochee Technical College Health Sciences Handbook

Health Sciences Statement on Academic Integrity

Chattahoochee Technical College Department of Health Sciences promotes and expects all members of the college community to conduct themselves professionally and with honesty and integrity. The college considers academic integrity an integral part of the learning environment. Any infraction is detrimental to the student's education and the integrity of the college. If any infraction is present, any student or students involved will have a mandatory confidential conference with faculty and administration as deemed appropriate. Cases of academic misconduct that are strictly forbidden include:

- Plagiarizing any assignment or part of an assignment. Plagiarizing means to use someone else's ideas or words as one's own, without giving appropriate credit using quotation marks, if necessary, and citing the source(s).
- Copying and submitting another's work as one's own.
- Using unauthorized notes or equipment (programmable calculator, PDA, Mp3, cell phone, any other electronic devices, etc.) during an examination.
- Engaging in unauthorized possession, obtaining, sharing, buying, selling or use of a copy of test banks, instructor materials, or any other materials intended to be used as an instrument of academic evaluation.
- Taking, acquiring, circulating or utilizing test materials without faculty permission.
- Distributing or selling any video, audio, or transcript-like notes of tests, lectures, or course presentations without instructor approval.
- Allowing another student to have access to your work, thereby enabling that student to represent the work as his/her own.
- Having someone else take a quiz or exam in one's place, taking an exam for someone else, assisting someone in any way during a quiz or exam, or using any unauthorized electronic device or other unauthorized method of support during a quiz or exam.
- Falsifying information such as but not limited to data for a lab report, a patient's medical record, a student's clinical record, or any other student record, including a record of attendance including but not limited to whether on or off campus in an academic or clinical setting.
- Using or copying another person's electronic file or copying any electronic information or computer program.
- Failing to report any knowledge of academic dishonesty to an instructor or administrator.
- Failing to cooperate in the investigation or disposition of any allegations of academic dishonesty or misconduct.
- Presence of cell phone during examinations.
- Any other forms of cheating or misconduct even if not listed here specifically.

Chattahoochee Technical College Health Sciences Handbook

Health Sciences Statement on Academic Integrity

Instructors may use any one or more of the following disciplinary measures for addressing instances of academic misconduct:

1. Award a grade of zero for the assignment;
2. Assign a failing grade for the course;

These actions also violate the student code of conduct and may be subject to the Student Judicial Review process and/or referral to the Behavioral Intervention Team.

Chattahoochee Technical College

Health Sciences Handbook

Health Sciences Drug and Alcohol Guidelines

Chattahoochee Technical College Health Science Division observes zero-tolerance relative to the use and / or possession of illicit drugs and alcohol. This applies to all students enrolled in a health science program. Unauthorized possession or use of alcohol, controlled substances, illegal drugs, or prescription medications will be prohibited.

Students are banned from reporting to class or clinical assignments under the influence of alcohol, illegal drugs, or controlled substances not prescribed to them by a physician or other licensed healthcare practitioner. In addition, students taking prescription medication shall not be allowed to attend class, lab, and/or clinical assignments if that medication*:

- Alters the student's ability to perform program specific essential functions or technical standards
- Alters the student's ability to behave in a professional manner in the classroom or clinical setting
- Alters the student's ability to provide safe and effective care to patients or fellow students (as in a laboratory setting)
- Alters the student's ability to operate medical devices or equipment

*This list is not all inclusive.

Indicators that create a "reasonable suspicion" that a student may be under the influence of alcohol, unauthorized narcotics, controlled substances or illegal drugs include (but are not limited to):

- Bizarre or unusual behavior
- Slurred speech, the smell of alcohol on the breath, irrational behavior
- Repeated mistakes or accidents not attributable to other factors
- Violation of safety rules and procedures which potentially jeopardize the well-being of patients, hospital employees, fellow students, and/or others
- Deteriorating clinical performance or attendance problems not attributable to other factors
- Apparent physical state of intoxication or drug induced impairment of motor functions

If it is determined that a drug or alcohol screen is necessary, the program director or designee will:

- Take the student to a quiet and private area and express concern that the student does not appear to be able to perform his / her duties at this time and that the student is suspected to be under the influence of some substance.
- Depending on the student's condition, the presence of hospital or campus security may be requested.
- The student will be sent home after the program director or designee has arranged transportation with the student's relative, emergency contact or other responsible adult. If public transportation is needed, student will assume any cost.

Chattahoochee Technical College Health Sciences Handbook

Health Sciences Drug and Alcohol Guidelines

- The program director will document the observed behavior, which will be maintained in the student's file.
- A drug or alcohol screen will be required within 24 hours at the student's expense. The burden of proof shall rest with the student. If the student refuses to comply with the test within the 24-hour deadline, they will not be allowed to continue in the program.
- Students will be provided with a list of acceptable collection sites.
- Results of the screen will be submitted to the program director through "Advantage Students." A "positive" drug test is defined as screen results indicating use of illegal or non-prescription drugs, non-therapeutic levels of prescribed or non-prescribed drugs, or alcohol screen results indicating presence of 0.02 or greater blood alcohol level.
- If the results are negative, the student will be permitted to attend class/clinic/lab as scheduled and be allowed to make up any time/assignments missed.
- If the results are positive, students will not be allowed to continue in the program unless they are able to produce a medically acceptable prescription dated prior to the test.

As with all disciplinary actions, the student has the right to appeal according to the published due process procedures

RANDOM DRUG TESTING AT CLINICAL SITES:

Note that for the purpose of maintaining hospital accreditation, it is the policy of some hospitals to conduct random or scheduled drug testing at their facility. Students may be asked to submit a random drug screen at the discretion of the clinical facility.

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Health Sciences Handbook

Complaint Procedures

Classroom/Lab Conflict Resolution:

The first step should be between the parties involved. Every effort should be made to resolve situations as they arise. If further resolution is needed, either party (students or faculty) may seek assistance from the program director for a proposed plan of resolution.

Formal Complaints:

The college recognizes that there may be instances where students, faculty and staff might need to bring matters of concern to the attention of the college. Students and faculty/staff have the right to file a formal complaint via the CTC complaint portal. Access to the “Concerns and Complaints” portal can be found on the CTC website under the “Contact Us” tab at www.chattahoocheetech.edu.

The college describes these five main types of complaints on the website:

Equity:

If your complaint pertains to race, color, creed, national or ethnic origin, religion, gender, disability, political affiliation or belief, sexual orientation, age, disabled veteran

Grievances:

If your complaint pertains to dissatisfaction with services, non-academic disputes with faculty and/or staff. Grievances include campus buildings, grounds, facilities and general college or program complaints that do not fall into other categories.

Student Conduct:

If your complaint pertains to threats, inappropriate behavior, physical violence, conduct unbecoming of a student.

Academic Misconduct:

Refer to syllabus, contact instructor, Instructors: If there has been cheating or plagiarism, submit Student Conduct report.

Title IX:

If your complaint pertains to sexual harassment, sexual assault, stalking, gender discrimination

Behavioral Issues:

If your complaint pertains to behavioral, emotional, medical mental health, personal hardship, danger to self or others.

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Health Sciences Handbook

Grade Appeals

A student has the right to appeal when they believe a final course grade or exam grade assigned by the instructor does not reflect what the student has earned according to the criteria for grading as outlined by the instructor in the course syllabus. Grade appeals must be initiated prior to the start of the following semester in order for a student to continue to attend class. All communication must be via CTC student email account.

Grade Appeal Procedure

The following Health Sciences timeline for grade appeals supersedes the published catalog due to Health programs structured lock-step cohorts.

Appeal to the Instructor & Program Director

After the assignment of the grade, the student must communicate via email seeking a solution to the concerns regarding the grade. At this time, they should be prepared to present evidence to support their case to change the grade. This appeal must be received within 3 business days of notification of term grade. The instructor/program director will communicate their joint decision to the student via email within 5 business days. **Students taking courses in parts of term will need to submit a written appeal before they can attend the next class.**

Appeal to the Associate Dean

If the concerns are not resolved to the student's satisfaction, and if the student continues to believe the grade does not reflect his/her performance in the course as outlined by the instructor and in the course syllabus, the student may submit a statement via email to the Associate Dean of Health Sciences. The statement must be sent within 3 business days of notification of appeal response at the program level and should outline the student's concerns with the issued grade. The Associate Dean will research the situation and issue an email response to the student within 7 business days of receiving the written statement of appeal. Should the Associate Dean of Health Sciences be unavailable to respond to the appeal, the Associate Dean of Allied Health will respond in their absence.

Appeal to the Dean

If the concerns are not resolved to the student's satisfaction, and if the student continues to believe the grade does not reflect his/her performance in the course as outlined by the instructor in the course syllabus, the student may submit a statement within 3 business days via email to the Dean of Health Sciences. The written statement must outline the student's concerns with the issued grade. The dean will convene an Ad Hoc Appeal Committee consisting of a minimum of three persons, one of whom will be a student that is not enrolled in the specific Health Sciences program. The remaining two committee members must be personnel from an academic program other than that of the class being appealed. The personnel may be an Academic Dean, Associate Dean, and/or faculty member.

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Grade Appeals

A date will be scheduled for the student and the instructor to meet with the Ad Hoc Committee within 7 business days of the request. The function of the committee is to evaluate the grading procedures as well as, if necessary, re-evaluate the student's assignments for the course in terms of criteria established by the instructor of the course. The committee's decision may be to keep the assigned grade, raise the grade, or lower the grade. The committee will report in writing to the student and instructor/program director the committee's decision within 10 working days of the committee meeting. The decision of the committee is final unto all parties of the grievance.

The student may continue to the next didactic course in the sequence of the lock-step program at their own risk. If a failing grade is not changed, the student must withdraw from the next sequenced class at the time of receiving the committee's ruling.

Any student that has a failure due to a clinical safety issue, fails to adequately perform at clinical, or is dismissed from clinical for any reason, may not progress in the current or next clinical rotation or attend lab. The student may attend didactic courses while the appeal is in process.

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Health Sciences Handbook

Readmission Procedure

First Semester

This procedure is for students who, in their first semester, fail to achieve a final grade average of 70% in any Health Science occupational course or who do not demonstrate mastery of the required skills, or professional behaviors outlined in the course syllabi and are therefore unable to progress to second semester; this procedure also applies to students who choose to resign for any reason during their first program-semester. Students may request to return to the first semester of their health sciences program without reapplying as part of the general applicant pool and are allowed one additional attempt to successfully complete the program of study under the following conditions:

1. Student must complete the Readmission Petition form and submit the requested essay that will articulate their plan for success on their second attempt. This form must be emailed to the program director by the end of the program's second semester.
2. In order to re-enter the program, student must begin their second attempt with the next cohort's program admission. After that, the student will need to reapply as part of the general applicant pool if they wish to return. If accepted at that time, this will still be considered their second attempt.
3. Student will be required to complete an Academic Success Plan prior to the start of their second attempt in collaboration with the Program Director that will include an individualized academic and/or behavioral plan for successful completion of the program.

Second Semester or later

This procedure is for students in their second semester or later who fail to achieve a final grade average of 70% in any Health Science occupational course or who do not demonstrate mastery of the required skills, or professional behaviors outlined in the course syllabi and are therefore unable to progress in the program; this procedure also applies to students who choose to resign for any reason during the second semester or later. Students may request one attempt to return at the point of exit in the program without retaking coursework that was successfully completed previously under the following conditions:

1. Student must complete the Readmission Petition form and submit the requested essay that will articulate their plan for success on their second attempt. This form must be emailed to the program director and received prior to the end of the semester following their exit from the program.

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2. Student will be required to complete an Academic Success Plan prior to the start of their second attempt in collaboration with the Program Director that will include an individualized academic and/or behavioral plan for successful completion of the program.
3. Student must demonstrate knowledge/skills required at point of entry into the program and will be allotted one attempt to be successful in all areas. Students must pass the written portion of the assessment prior to moving on to a practical skills assessment. The student will be notified via email within 2 business days if they are successful/unsuccessful.

**Chattahoochee Technical College
Health Sciences Handbook**

Program Readmission Petition Form

Name:

Student ID #:

CTC Email Address:

Instructions:

- 1) Review the Readmission procedures in the Student Handbook; email the Program Director with any questions or concerns.
- 2) Complete this Readmission Petition Form and submit via email along with an in-depth essay to the Program Director within one semester of the semester in which you left the program. Essay should articulate your plan to be successful in your second attempt including the following:
 - a) Self-Assessment of educational, professional and personal challenges including:
 - I. Evaluation of academic concerns and goals to improve successful outcomes
 - II. Clarify concerns and goals to improve professionalism.
 - III. Statement of understanding for accountability for previous barriers and a plan to improve.
 - b) Identify how program/college may assist in reaching educational, professional and personal goals.

Student Signature

Date

Readmission Essay Grading Rubric

Continued on next page...

Chattahoochee Technical College Health Sciences Handbook

Criteria			
Self-Assessment & Identification of Personal Challenges <div>____ / 20</div>	<ul style="list-style-type: none"> • Accepts personal responsibility, accountability, and ownership for successful readmission & completion of program (10) • Identifies personal barriers present in first attempt (10) 	<ul style="list-style-type: none"> • Accepts some personal responsibility, accountability, and ownership for successful readmission & completion of program (5) • Identifies list of incomplete personal barriers present in first attempt (5) 	<ul style="list-style-type: none"> • Does not accept responsibility, accountability, and ownership for successful readmission & completion of program (0) • Does not identify personal barriers present in first attempt (0)
Identifies How Program Assists in Reaching Personal, Professional, and Educational Goals <div>____ / 10</div>	Clear identification of how CTC Health Science Division will assist in a student-driven, self-reflection plan with collaboration from the program faculty and the Health Science Counselor (10)	Brief identification of how CTC Health Science Division will assist in a student-driven, self-reflection plan with collaboration from the program faculty and the Health Science Counselor (5)	Content is not relevant as to how CTC Health Science Division will assist in a student-driven, self-reflection plan with collaboration from the program faculty and the Health Science Counselor (0)
Formatting <div>____ / 10</div>	Correct use of grammar, punctuation, & spelling with maximum of 1-2 errors (10)	Correct use of grammar, punctuation, & spelling with maximum of 3-4 errors (5)	Correct use of grammar, punctuation, & spelling with greater than 4 errors (0)
Total Score:			

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Program Readmission Agreement

I, _____ (student's name), am seeking readmission to
the _____ program at Chattahoochee Technical College.

For students returning second semester or later in program sequence, please initial your
acknowledgement of the following statement:

_____ I understand that I will need to demonstrate knowledge/skills required at point of entry
into the program. I understand that I will be notified via email within 2 business days if I
am successful/unsuccessful with the assessments assigned. In signing below, I further
confirm that I have the knowledge and/or skill-readiness to resume program courses
beginning in the semester of readmission within one academic year.

For *all* returning students, please initial your acknowledgement of the following statement:

_____ I have received a copy of the Program Student Handbook and I have been given the
opportunity to ask questions. I understand that returning to the program means I am
responsible for knowledge of and complying with the procedures of the Health Science
programs and the rules of this college, which can be found in the Student Division and
Program Handbooks and on the CTC website respectively. Not doing so may result in a
variety of consequences including being unable to progress in my program of study.

Student Signature

Date

Program Director/Faculty Signature/

Date

**Chattahoochee Technical College
Health Sciences Handbook**

College Statement on Vaccination Requirements

Chattahoochee Technical College does not require vaccinations as a criteria for admission and enrollment of students; however, immunizations are required for college health programs by our clinical partners. Students may not complete clinical rotations without meeting clinical site immunization requirements. All required vaccinations must be complete prior to starting clinical practice. Students completing internships or practicums in other majors must adhere to all job site vaccination guidelines. Clinical and job site requirements can and do change without notice or input from the College.

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Lab Management During Public Health Event

During a public health event, such as the COVID-19 pandemic, Lab management procedures may be rapidly changed or superseded. In that event, faculty will provide clear instructions and updates to the lab management procedures via course syllabi, Blackboard posting, and/or email. Students will be expected to follow those updated procedures as if they were listed in their handbooks. Examples include changes regarding social distancing, mask wearing, or physical contact. For more information and the most up to date COVID guidelines, visit our website at <https://www.chattahoocheetech.edu/coronavirus/>



Radiography Program

Student Handbook 2022-2023

Prepared by:

Jamie Bailey, M.H.Sc., R.T.(R)
Program Director

Malcolm Paschall, B.S.R.S. R.T.(R)
Program Clinical Coordinator

Chattahoochee Technical College

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Chattahoochee Technical College Mission Statement

The mission of Chattahoochee Technical College is to strengthen both individuals and businesses through workforce training.

Chattahoochee Technical College, a unit of the Technical College System of Georgia, is a public open access institution that offers associate degrees, diplomas, certificates, and general education courses through traditional campuses and online means as well as non-credit and adult education training. CTC is committed to meeting the needs of business and industry in a changing environment and to providing opportunities for lifelong learning for all members of its community.

Radiography Mission Statement

Consistent with the vision and mission statements of Chattahoochee Technical College, the Radiography Program will be a leader in workforce development by providing an educational experience that prepares graduates with the necessary skills and proficiency required of a competent entry-level technologist, while reinforcing a strong work ethic. The program will utilize a competency-based evaluation system to assess the level of skill proficiency and the utilization of critical thinking and problem-solving skills and safety relative to clinical procedures and patient care. A variety of clinical education settings and procedures will provide program participants with a well-rounded educational experience.

To support our program mission, the radiography program has established the following program goals and student learning outcomes:

Goal: To produce qualified and competent entry-level technologists.

Student Learning Outcome: Students will pass the national registry examination

Student Learning Outcome: Students will utilize and provide radiation protection

Goal: To graduate students that will seek employment, thus meeting the needs of the community.

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Student Learning Outcome: Students will satisfy their employers with their technical skills/knowledge

Goal: To provide appropriate training and guidance that fosters development of professional ethics and life-long learning.

Student Learning Outcome: Students will demonstrate professionalism at their place of employment

Goal: To provide appropriate training and guidance that fosters the development of critical thinking and problem-solving skills.

Student Learning Outcome: Students will demonstrate the ability to adjust standard protocols for non-routine procedures

Student Learning Outcome: Students will display appropriate measures to correct inadequate images

Please Note:

Periodically, it will be necessary to revise existing program guidelines, or to publish new guidelines, in order to meet the needs of the sponsoring institution (Chattahoochee Technical College), the clinical affiliates, and to meet JRCERT Accreditation Standards.

Students will be notified of any and all changes (in writing) prior to implementation. Revised (or new) guidelines will be discussed and students will have an opportunity to ask questions for clarification. Each student will be responsible for adding these changes to the current student handbook.

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The ARRT Code of Ethics (also adopted by the ASRT)

The Code of Ethics forms the first part of the *Standards of Ethics*. The Code of Ethics shall serve as a guide by which Registered Technologists and Candidates may evaluate their professional conduct as it relates to patients, health care consumers, employers, colleagues, and other members of the health care team. The Code of Ethics is intended to assist Registered Technologists and Candidates in maintaining a high level of ethical conduct and in providing for the protection, safety, and comfort of patients. The Code of Ethics is aspirational.

1. The Radiologic Technologist conducts herself or himself in a professional manner, responds to patient needs, and supports colleagues and associates in providing quality patient care.
2. The Radiologic Technologist acts to advance the principal objective of the profession to provide services to humanity with full respect for the dignity of mankind.
3. The Radiologic Technologist delivers patient care and service unrestricted by the concerns of personal attributes or the nature of the disease or illness, and without discrimination, on the basis of sex, race, creed, religion, or socioeconomic status.
4. The Radiologic Technologist practices technology founded upon theoretical knowledge and concepts, uses equipment and accessories consistent with the purposes for which they were designed, and employs procedures and techniques appropriately.
5. The Radiologic Technologist assesses situations; exercises care, discretion, and judgment, assumes responsibility for professional decisions, and acts in the best interest of the patient.
6. The Radiologic Technologist acts as an agent through observation and communication to obtain pertinent information for the physician to aid in the diagnosis and treatment of the patient and recognizes that interpretation and diagnosis are outside the scope of practice for the profession.
7. The Radiologic Technologist uses equipment and accessories, employs techniques and procedures, performs services in accordance with an accepted standard of practice, and demonstrates expertise in minimizing the radiation exposure to the patient, self, and other members of the health care team.
8. The Radiologic Technologist practices ethical conduct appropriate to the profession and protects **the patient's right to quality radiologic technology care.**
9. The Radiologic Technologist respects confidences entrusted in the course of professional practice, **respects the patient's right to privacy and reveals confidential information only as** required by law to protect the welfare of the individual or community.

The Radiologic Technologist continually strives to improve knowledge and skills by participating in continuing educational and professional activities, sharing knowledge with colleagues and investigating new aspects of professional practice.

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Chattahoochee Technical College
Radiography Program
Clinical Affiliates & Clinical Instructors

<p>East Cobb Imaging 3747 Roswell Road Marietta, GA 30062 470-956-8772 <i>Karen Sellers, RT</i> <i>Shannon Goehring, RT</i></p>	<p>Wellstar Acworth Health Park 4550 Cobb Parkway NW Suite 109 Acworth, GA 30101 470-956-0081 <i>Shiloh Howell, RT</i> <i>Wendy Snipes, RT</i> <i>Julie Robinson, RT</i></p>	<p>Wellstar Kennestone Hospital & Imaging Centers 677 Church Street Marietta, GA 30060-1101 770-793-5521- main department 770-793-7800-210 Outpatient <i>Christy Sinclair, RT</i> <i>Pamela Hobby, RT</i> <i>Janice Vaughn, RT</i> <i>Angie Barnett, RT</i></p>
<p>Wellstar Cobb Hospital 3950 Austell Road Austell, GA 30106-1121 470-245-4590 <i>Karen Ivester, RT</i> <i>Alisha Mladek, RT</i> <i>Hallie Crete, RT</i> <i>Shon Blanchard, RT</i> <i>Jennifer Marvin, RT</i></p>	<p>Wellstar Paulding Hospital 2518 Jimmy Lee Smith Parkway Hiram, GA 30141 470-644-7186 <i>Randall Davenport, RT</i> <i>Jessica Bell, RT</i></p>	<p>Paulding Imaging Center 148 Bill Carruth Parkway Suite LL20 Hiram, GA 30141 470-644-8115 <i>Donna M. Bice, RT</i> <i>Marti Dodson, RT</i> <i>Brandi Jones, RT</i></p>
<p>Wellstar (South) Cobb Imaging 3950 Austell Road Austell, GA 30106-1121 470-732-5645 470-732-5646 <i>Don Larsen, RT</i> <i>Lamont Suit, RT</i> <i>Cindy Montgomery, RT</i></p>	<p>Wellstar Windy Hill Hospital 2540 Windy Hill Road Marietta, GA 30067-8605 770-644-1240 <i>Mary McHugh, RT</i></p>	<p>Pinnacle Orthopedics-Marietta 700 Tower Road, Suite 200 Marietta, GA 30060-6961 770-427-5717 Ext. 500 <i>David Martin, RT</i> <i>Edna Benfield, RT</i></p>
<p>Wellstar Douglas Hospital 8954 Hospital Drive Douglasville, GA 30134-2272 470-644-6507 <i>Marcy Marlow, RT</i> <i>Missy Cobb, RT</i> <i>Amanda Reese, RT</i></p>	<p>Kennestone Imaging @ Tower Rd. 355 Tower Road Suite 202 Marietta, GA 30060 470-245-9892 <i>Melissa Mailhes, RT</i></p>	<p>OPI - Outpatient Imaging Center (Formerly Cherokee Imaging) 2000 Village, Professional Dr Suite 100, Canton, GA 30114 (404) 225-5674 <i>Nicci Johnson, RT</i></p>

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Northside Hospital Cherokee 450 Northside Cherokee Blvd, Canton, GA 30115 770-224-1416 Ashley Blankenship, RT Sienna Carmona, RT Brandon Lyon, RT		
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Chattahoochee Technical College Radiography Program

Program Directory

Jamie Bailey, M.S.H.S., RT (R) Program Director	Office: 770-975-4055 Fax: 404-478-8085 Jamie.Bailey@chattahoocheetech.edu
Malcolm Paschall, B.S.R.S. RT (R) Clinical Coordinator	Office: 770-975-4056 Fax: 404-478-0894 Malcolm.Paschall@chattahoocheetech.edu
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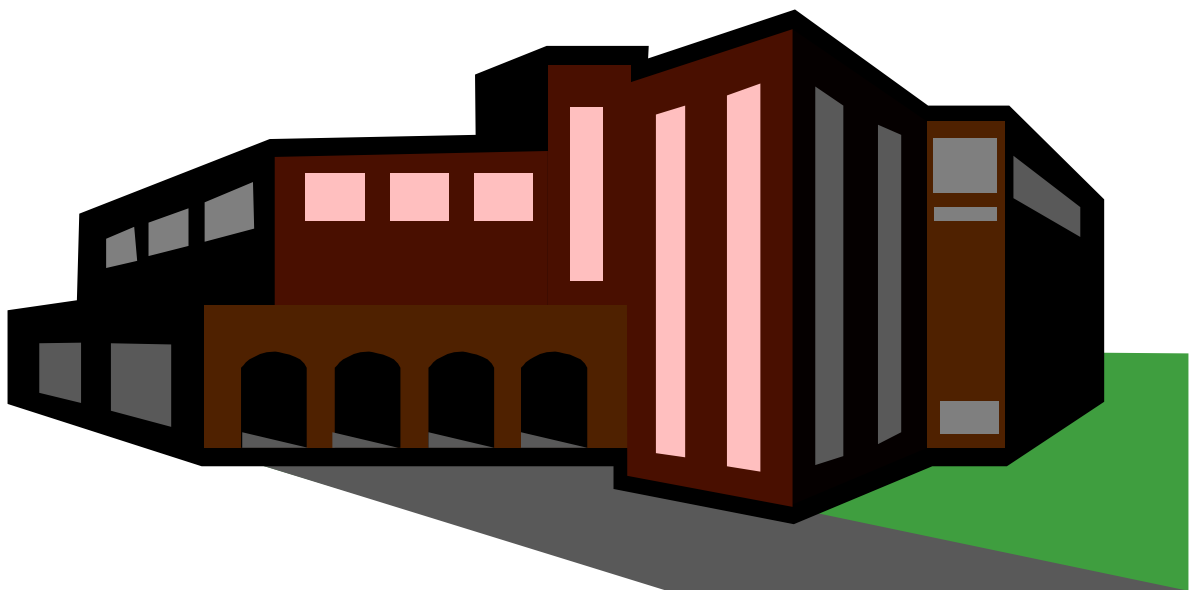
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Radiography Program: Course Sequence
this course sequence may be subject to change



Course #	Course Name	Pre-requisites/Co-Requisites	Contact Minutes	Credit Hours
First Semester (Fall)				
RADT 1010	Introduction to Radiography	Program Admission, Co- RADT 1030, RADT 1320	3750	4
RADT 1030	Radiographic Procedures I	Program Admission, BIOL 2113 & 2114, Co- RADT 1010, RAD 1320	3750	3
RADT 1320	Clinical Radiography I	Co- RADT 1030	9000	4
RADT 1065	Radiologic Science	Co-RADT Program Admission	1500	2
TOTAL CREDIT HOURS FOR THE TERM				13
Second Semester (Spring)				
RADT 1060	Radiographic Procedures II	Pre-Req, RADT 1010, RADT 1030/ Co-Req RADT 1330 RADT 1065	3750	3
RADT 1075	Radiographic Imaging	Pre-Req, RADT 1010, RADT 1030/ Co-Req RADT 1330 RADT 1065	3750	4
RADT 1330	Clinical Radiography II	Pre-Req, RADT 1010, RADT 1030, RADT 1320/ Co-req, RADT 1060 RADT 1065	15750	7
TOTAL CREDIT HOURS FOR THE TERM				14
Third Semester (Summer)				
RADT 1200	Principles of Radiation Biology and Protection	Program Admission	1500	2
RADT 2090	Radiographic Procedures III	Pre-req, RADT 1060/ Co-Req, RADT 2340	3000	2
RADT 2340	Clinical Radiography III	Pre-Req, RADT 1330	13500	6
RADT 1085	Radiologic Equipment	Program Admission	3000	3
TOTAL CREDIT HOURS FOR THE TERM				13
Fourth Semester (Fall)				
RADT 2260	Radiologic Technology Review	Pre-req: All Required, Co-req. All Required	2250	3
RADT 2360	Clinical Radiography IV	Pre-Req, RADT 1010, RADT 2090, RADT 2340	20250	9
TOTAL CREDIT HOURS FOR THE TERM				12
TOTAL CREDIT HOURS FOR THE TERM				52

Academic Guidelines



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Graduation Requirements

In addition to the graduation requirements published in the Chattahoochee Technical College catalog, the following are program-specific graduation requirements. The full CTC catalog can be found at www.chattahoocheetech.edu.

Program-Specific Graduation Requirements:

In order for the program director to certify program completion for ARRT eligibility purposes, each student must successfully complete all of the following:

- ❑ RADT prefix courses with a final average of 70% or higher (*see grading scale guideline*)
- ❑ required clinical rotation hours
- ❑ published ARRT competency requirements for the radiography examination
- ❑ terminal competency examinations with a final score of 80% or higher for each terminal competency evaluation
- ❑ terminal examination with a final score of 75% or higher

A detailed discussion of each item will be presented during the new student orientation.

Guideline: Program Grading Scale

The Radiography Program utilizes the following grading scale for all didactic and clinical courses (RADT prefix).

Course final average	Letter Grade:
90 % - 100 %	A
80 % - 89 %	B
70 % - 79 %	C
60% -69%	D (failing grade in program)
Below 60 %	F

1. Grades will be issued at the completion of each semester. Students may be advised of their individual course standing / numerical grade prior to the end of semester completion. (instructor courtesy)

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2. Students must maintain a cumulative course numerical grade average of 70 % or higher in all Radiography Program courses (RADT prefix), as calculated at the end of each semester, to advance in the Radiography Program.
3. Students will be awarded the grade of D or F in the Radiography Program for failure to maintain a final numerical course grade average of 70 % in all RADT courses. Students must pass all RADT courses with a **“70%” or higher**.
4. Minimum score of 75% is required on all exams. If 75% is not obtained, the student must remediate and re-test to score 75% or higher. The original grade will be recorded. This process will ensure success on the ARRT national exam.
5. See readmission guidelines/procedure

Guideline: Classroom and Lab Cleanliness (Programmatic)

In order to ensure a clean environment in the classroom, no food or beverages will be allowed in the classroom unless permitted by the program director or classroom instructor. Each student is responsible for maintaining a clean desk area. Students are responsible for discarding of their trash in the appropriate places. Students are not allowed to have food or beverages in the equipment area of the classroom at any time.

Guideline: Classroom and Lab Accessibility

Students will have access to classrooms and labs during the class hours indicated on the semester schedule of classes. If a student desires access to the classroom or lab outside of these hours, prior arrangement should be made with the course instructor. Each classroom or lab will be locked when classes are not scheduled for that room.

It is the student's responsibility to notify the instructor if they are experiencing difficulty in learning the material assigned in this class. The instructor will work with students individually to help overcome any obstacles that may impede the learning process.

For support services, see institutional policies above.

Guideline: Classroom and Lab Management Plan

Many courses include hours designated as lab hours. During these hours, the student is expected to complete lab assignments as determined by the instructor. The instructor will monitor the lab, while providing direction and instruction.

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While in the radiography lab area, students are expected to adhere to the following policies and procedures:

- ❑ No food or drink is allowed in the lab at any time.
- ❑ No children are allowed in the lab area at any time.
- ❑ No electronic device usage during lab.
- ❑ The student will not move any electrical equipment or connections. If a connection needs to be replaced or connected, it should be reported to the instructor. Any electrical problems (ie. frayed wires, poor connections, loose plugs) or equipment damage is to be reported to the instructor immediately.
- ❑ Lab experiments are to be performed under direct supervision only. Students will not be allowed to operate equipment in the Radiography lab without the presence of an Instructor/Program faculty member. Radiation exposures will only be conducted on phantoms or inanimate objects.
- ❑ Each student is responsible for cleaning up the lab area after use. Keep floors and walking areas clear of any impediment.
- ❑ Students are allowed to attend lab sessions only during the designated lab time he / she is assigned. Lab groups will contain no more than 12 students.
- ❑ Students are NOT to wear open toed shoes when working in the lab area. This is for liability reasons. (Preferably all leather tennis shoes would be worn.)
- ❑ Points will be deducted from Labs or Lab Practical Scores or Terminal Comps if open toed shoes are worn.
- ❑ Live work will not be performed in the Radiography lab. This is defined as any work performed by students or instructors of CTC that requires the payment of fees or any other guarantee written or implied.
- ❑ Under no circumstances will the student position himself/herself in the x-ray beam (ie. Holding cassettes, phantoms, etc.) Students are required to stand behind the barrier wall when making exposures
- ❑ Always keep doors to the radiation area closed when exposures are being made
- ❑ Students must wear dosimeters while conducting experiments in the energized lab
- ❑ Return all equipment to its proper storage place
- ❑ Turn off all machines after use.
- ❑ All accidents will be reported to the Radiography Program Director/ Instructor, an accident report must be filled out immediately
- ❑ Any student who purposefully radiates another student or any other human being will be subject to Judicial Review.

Guideline: Telephones/Cell Phones/Electronic Devices

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Clinical Assignments:

Student radiographers are not to have their personal cell phones on their body during clinical rotations. Cell phones are to be kept with the students personal belongings, ie. purses, bags, lockers, etc. Personal phone calls on cell phones, or if the student wishes to check their phone messages, may be done during lunch or on approved breaks away from the clinical area, unless against the guideline of that institution or area. **“Smart watches” are likewise prohibited while in clinical rotations. Emergencies** may be communicated to students by calling the clinical site; however, this method of communication is not appropriate for routine messages/conversations. Clinical rotation sites may elect to send the student home in addition to the issuance of a written warning if this guideline is violated.

Classroom & Lab:

In order to maintain an environment conducive to learning cell phones brought in to the classroom or lab must be turned off or be placed on silent mode. **“Smart watches” should be silenced, and put away** during exams, lectures, and labs. Multiple incidents or violations of this guideline may result in the student being asked to leave the class or lab area and may result in disciplinary action.

Computer Usage at Clinic:

Students are not allowed to use hospital/facility computers for schoolwork or for personal use while they are at clinic. Disciplinary action for guideline violation includes program suspension and inability to continue in the program for repeat offenses.

Guideline: Jury Duty / Court Summons

Students receiving a summons for Jury Duty or a court appearance must provide the Program Director with appropriate notification prior to the date of appearance. The student must produce a copy of the summons to be excused for the time required. All work missed must be made up by the student immediately upon return.

Procedure:

1. Upon receipt of a summons for Jury Duty or court appearance, the student is required to immediately notify the Program Director. A copy **of the summons will be made and maintained in the student's** administrative file.
2. The Program Director and student will evaluate the lesson plans for the day (dates) the student is expected to be absent and assignments will be made if applicable. If absence falls during scheduled clinical time, the time must be made up in accordance with the clinical instructor (absence does not count toward 10% absence guideline).
3. Upon return from Jury Duty or court appearance, the student is responsible for making up all missed assignments.

Guideline: Student Employment

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Some students may be offered the opportunity to be employed by clinical affiliates while in the program. **If given that opportunity, it is the student's responsibility to speak with the** hospital/outpatient sites security department and have security issue the student a separate identification badge. This badge is to be worn only when the student is working and not when the student is at the clinical site in a student capacity. The student will be responsible for wearing the correct badge at the clinical site. If the student is caught wearing the employee badge while performing clinical hours for the program, the student will be issued a reprimand. Our accrediting agency requires that students not misrepresent themselves during their clinical hours by wearing a badge stating they are an employee. If students are employed at other facilities, they are NOT to wear their student badge while working at any clinical facility.

Students are also advised that they are NOT allowed to receive clinical competencies when they are at the clinical site in an employment capacity. This would not allow for equitable learning opportunities for the students that are not employed. If a student is caught attempting to receive a competency while working at the facility, then the student will receive a write up and the competency will be void.

Students may not **complete clinical program "make up hours" while employed by a clinical site.**

This guideline is in effect in order to clearly differentiate between a student's employment and their clinical education.

Guideline: Drug & Alcohol Usage

This guideline was written in conjunction with the Student Services Department in order to comply with JRCERT requirements.

It is the guideline of the Radiography Program to observe a zero-tolerance guideline relative to the use and / or possession of illicit drugs and alcohol. This guideline will apply to all enrolled radiography students. Furthermore, it is the guideline of the program to prohibit the unauthorized possession or use of alcohol, controlled substances, or illegal drugs. Students are prohibited from reporting to class or clinical assignments under the influence of alcohol, illegal drugs, or controlled substances not prescribed to them by a physician or other licensed healthcare practitioner.

Indicators for "reasonable suspicion" that a student may be under the influence of alcohol, unauthorized narcotics, or controlled substances or illegal drugs include (but are not limited to):

- a. bizarre or unusual behavior
- b. slurred speech, the smell of alcohol on the breath, irrational behavior
- c. repeated mistakes or accidents not attributable to other factors
- d. violation of safety rules / policies and procedures which potentially jeopardize the well being of patients, hospital employees, fellow students, and / or others
- e. deteriorating clinical performance or attendance problems not attributable to other factors
- f. apparent physical state of intoxication or drug induced impairment of motor functions

If it is determined that a drug or alcohol screen is necessary, the program director will:

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1. Take the student to a quiet and private area and express concern that the student does not appear to be able to perform his / her duties at this time and that the student is suspected to be under the influence of some substance.
2. Depending on the student's condition, the presence of hospital security may be requested.
3. The student will be sent home after the program director has arranged transportation with the student's relative, emergency contact individual or other responsible adult.
4. The program director will document the observed behavior, which will be maintained in the student's file.
5. A drug or alcohol screen will be required within 24 hours at the student's expense. The burden of proof shall rest with the student. If the student refuses to comply with the test within the 24-hour deadline, they will be suspended from the program pending Judicial Review.

Drug / Alcohol testing may be conducted at the following location:

- ❑ Cobb County Mental Health Agency
1650 County Services Parkway
Marietta, GA 30008
(770) 514-2422

If the results are positive, unless the student is able to produce a medically acceptable prescription dated prior to the test. The student will be suspended from the program pending Judicial Review.

Title 20-1 of the Official Code of Georgia Annotated: any student of a public educational institution who is convicted, under the laws of the state, the United States, or any other state, of any felony offense involving the manufacture, distribution, sale, possession, or use of marijuana, controlled substance, or a dangerous drug shall as of the date of conviction be suspended from the public educational institution in which such person is enrolled. Except for cases in which the institution has previously taken disciplinary action against a student for the same offense, such suspension shall be effective as of the date of conviction, even though the educational institution may not complete all administrative actions necessary to implement such suspension until later.

Purpose:

To clarify the program's position on the use and possession of alcohol and / or illicit drugs on hospital property or clinical / classroom areas.

Definitions:

Illicit drugs: any drug, medication or controlled substance not prescribed for the individual by a licensed healthcare practitioner. This definition is extended to include controlled substances, illegal drugs including, but not limited to, marijuana, methamphetamine, cocaine, and heroine.

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REGARDING DRUG TESTING AT CLINICAL SITES: It is the guideline of some hospitals to conduct random or scheduled drug testing. Students may be asked to submit a random drug screen at the request of the clinical facility. (This is done for the purpose of maintaining hospital accreditation.)

The Drug & Alcohol guideline is also in effect for any off-campus activities. We are still affiliated with CTC and must abide by all policies whether students are on or off campus.

Guideline: Mandatory Drug Testing and Background Check

In order to provide competent health care workers and be in compliance with clinical agency contracts, each student will be required to submit to drug screening as well as a criminal background check once being admitted into the Radiography Program. Cost associated with these screenings will be paid for by the student. The Radiography Program and the various clinical facilities associated with the program may also conduct random drug screenings.

POSITIVE DRUG SCREENS

It is unacceptable for students to have illegal drugs in their system, to be under the influence of alcohol, or to have levels of legal drugs which are not disclosed and/or for which no prescription can be produced. Positive findings on a drug screen or refusal to submit to a requested drug screen will prevent the student from being placed in the clinical education setting. Therefore, the student will not be able to complete the program.

POSITIVE CRIMINAL BACKGROUND CHECKS

If a student has been convicted of a misdemeanor or felony (excluding misdemeanor speeding convictions, unless they are related to alcohol or drug use) they are required to report this to the American Registry of Radiologic Technologists, which is the Radiography certifying agency. The ARRT may decide to take action in the **denial of the student's application for certification**. (See www.arrt.org for the Pre Application Review of Eligibility for Certification.) The student may also be prohibited from attending the required clinical rotations due to a positive background check, which would prevent the student from completing the Radiography program.

Guideline: Communicable Diseases

This guideline was written in order to comply with JRCERT Accreditation Standards.

A communicable disease guideline is necessary to safeguard the health and safety of the student radiographer and patient alike. All students are required to report any communicable disease(s) contracted in or out of the hospital clinical site immediately to the Clinical Coordinator and Program Director.

A communicable disease is defined as a disease that may be transmitted directly or indirectly from one individual to another. Examples include, but are not limited to influenza and conjunctivitis. Students with

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a suspected or confirmed communicable disease will not be permitted to report to clinical sites or to class, in order to ensure the health of others and compliance with infection control procedures. Upon confirmation, the student will not return until appropriate documentation clearing them is submitted. No exceptions to this guideline will be made.

For communicable disease exposure at clinical sites

The student will complete an institutional incident report and forward it in accordance with clinical site guideline. In addition, the supervising technologist must complete a Chattahoochee Technical College Incident Report. This incident report must be forwarded to the Clinical Coordinator within 24 hours of the exposure.

The student must report to either their private physician or site emergency room the same day as the exposure for evaluation and treatment (if necessary). Documentation of this visit must also be forwarded to the clinical coordinator within 24 hours of exposure. The provider should send any bills related to this evaluation to:

Chattahoochee Technical College (Marietta Campus)
Christine Yarborough
980 South Cobb Drive
Marietta, GA 30060
Office B152
(770) 528-3975
Christine.Yarbrough@chattahoocheetech.edu

Payment for medical attention received will be made from the student services accident insurance guideline. The premium for this guideline is paid each semester as part of the "student services fee" at the time of registration.

The exposed student will be required to follow through on subsequent blood or medical treatment as deemed necessary by the healthcare provider. Documentation must be submitted to the program office. Failure of the student to follow through will release the school from liability.

Students are NOT to have paperwork filled out as if it were a "workman's comp" case, when being seen by the physician.

For communicable diseases acquired outside of school activities

The student must submit documentation from their personal physician (or local health department) clearing them to return to didactic and clinical assignments. The student is responsible for all charges related to medical evaluation and treatment.

Guideline: Grade posting of quiz, test and exam scores & reasonable feedback

All quizzes, tests, and examinations will be graded and results provided to students within a "reasonable amount of time". Whenever possible, results will be communicated to students within one week (7 days)

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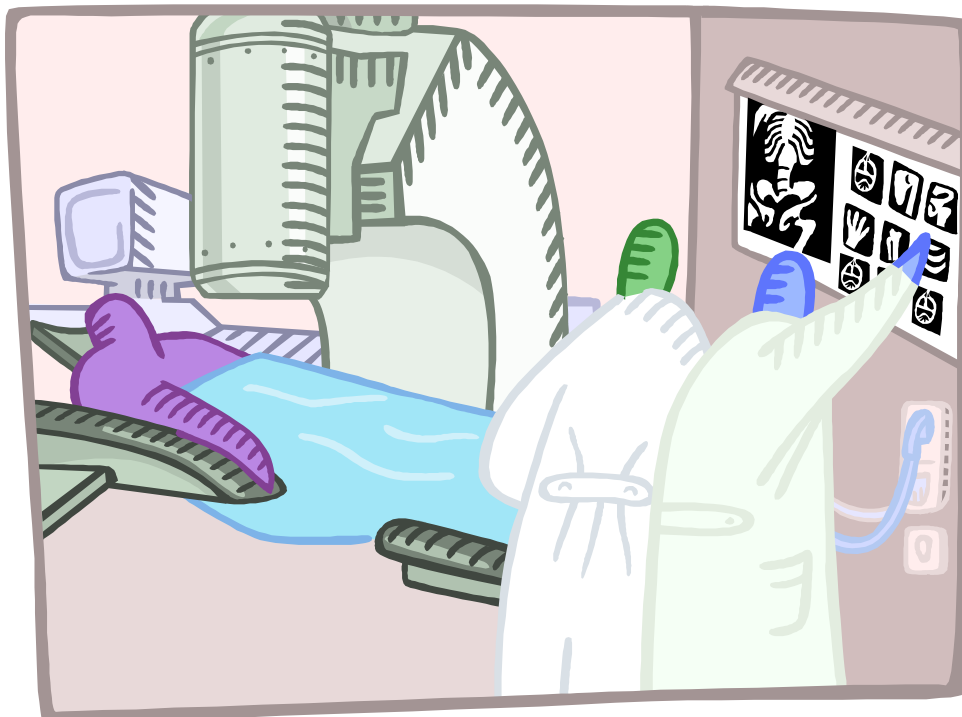
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from a testing session. With the exception of final examinations, quizzes and tests will be distributed during a regularly-scheduled class session and reviewed. Following this review, the quizzes and tests will be returned and maintained on file.

Guideline: Calculators

Calculators may be used during tests, quizzes and examinations. Only simple, non-programmable calculators will be permitted. Cellular telephones and other devices will not be permitted.

Clinical Guidelines



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Guidelines: Uniform Requirements, Grooming Standards and Uniform Restrictions

It is the guideline of the Radiography Program that all student radiographers conform to uniform requirements at all times. The uniform requirements are as follows:

1. Pewter colored scrub tops (with school patch) and pewter colored scrub pants. The school **patch should be sewn onto the left shoulder, with the top of the patch 2.5" below the shoulder seam.**
2. White or black leather uniform shoes or solid white or solid black leather athletic shoes. Canvas shoes are not permitted. Any shoe that does not completely cover the foot is not permitted. (eg. shoes with open backs) Uniform shoes and athletic shoes will be solid white or black only. (Not a mix of colors on the shoes.)
3. Socks that match the shoe are required.
4. Clothing should fit properly. Clothing that is too tight or transparent is not appropriate.
5. If a student wishes to wear an undershirt beneath the uniform top, it must be plain white, gray, or black in color, with no writing or image printed on it.
6. No visible tattoos are to be displayed. If necessary, a long-sleeved uniform top may be required. Turtlenecks must be worn if visible tattoos are on the neck. Make/up and/or concealer may not be used.
7. The school uniform must be clean and pressed. The hospital/clinic site identification badge is a part of the uniform and must be worn at all times to all clinical locations. If the clinic site does not provide an identification badge, your Chattahoochee Technical College student identification badge must be worn. Students are not to wear their clinical photo badge when rotating through clinical sites other than the specified clinical site. The photo ID will be clipped to the left uniform pocket.
8. The radiation monitor issued must be worn at all times while in the clinical education setting. The dosimeter is **to be worn at collar level (designated as "collar") placed outside of a lead apron** when worn.
9. A lab coat is considered optional, unless required by your clinic site. If a lab coat is worn, it must also have a program patch sewn on the left shoulder, with **the top of the patch located 2.5" below the shoulder seam.** When the lab coat is worn, the hospital-issued photo ID is to be placed on

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the lab coat at the approximate level of the uniform top position. If the lab coat is removed, the ID badge must be relocated to the uniform top and clearly visible at all times.

10. A plain white cardigan-type sweater (only) may be worn if necessary. When a sweater is worn, and ID badge must be placed on the outside of the sweater (*see #9 above for positioning*).

11. In order to be completely prepared for clinic, the following conditions must be met:

- a. Above uniform specifics followed
- b. R & L image markers
- c. Bontrager pocket handbook
- d. ARRT master sheets
- e. Proper time sheets
- f. Clinical logs
- g. Current TB/CPR/Hep B documentation to clinical coordinator

In addition, students will be required to adhere to the following dress code standards:

- ❑ Hair must be a natural color, clean, neat, and off the collar.
- ❑ Male students must be clean-shaven, or maintain a well-groomed mustache or beard.
- ❑ Hands must be clean with nails trimmed. NO nail polish may be worn. No artificial nails are permitted.
- ❑ Undergarments must be worn and should not be visible through the uniform.
- ❑ Conservative make up, no perfume or cologne, and no cigarette odor. Students should eliminate offensive body odors by bathing and using deodorants.
- ❑ Oral hygiene, including brushing, flossing, and the use of mouthwash, is to be practiced.
- ❑ Only one pair of small earring posts or other unobtrusive earrings may be worn in uniform. No dangling / hoop earrings are permitted.
- ❑ No studs or posts are to be worn in the tongue or worn where they are visible on the face or body while in the clinical area. This is the guideline of many healthcare agencies due to infection control guidelines.
- ❑ Wedding and engagement rings may be worn while on duty, if relatively plain. Decorative wedding and engagement rings with numerous stones are not appropriate because they can tear the fragile skin of elderly patients and they can also harbor bacteria. No other jewelry is acceptable.
- ❑ **The lead “left” and “right” markers are considered part of the student uniform. Markers must have student’s assigned number on the marker. If markers are lost, it is the student’s responsibility to order additional sets immediately if a marker is lost.**
- ❑ A pen is considered part of the uniform and each student will be responsible for bringing a pen with either blue or black ink to clinic each day.

For the purpose of clarification, uniform restrictions will be defined as follows:

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- ❑ Shoes: Clogs (including those sold in uniform stores), sandals, ankle-laced, platform, open-toe, or open-backed shoes.
- ❑ Denim materials including jeans
- ❑ Jump suits, short-pants, and coveralls.
- ❑ Political pins or emblems, flowers or corsages, slogans or stickers (unless hospital approved).
- ❑ A hair scarf, hats or ornaments.

Students not conforming to uniform requirements may be sent home and counted as absent for the clinical day. Subsequent occurrences will result in program suspension pending Judicial Review, and a letter grade deduction for the clinical course for repeat offenses. *(See also clinical make-up time & attendance policies).*

Guideline: Hospital-issued ID Badges

Students will be given instructions for obtaining a mandatory clinical hospital issued ID badge. For security reasons, students must wear this hospital photo identification badge at all times while on hospital property, including all facility clinical rotation areas. Students should not wear clinical assigned badges that are not designated to the assigned facility.

The front of the badge denoting the individual as a student must be prominently displayed at all times. The identification badge is considered part of the student uniform. If the student forgets this identification badge, they will be sent home for being out of uniform, marked as absent, with no credit given for clinical attendance for the day.

If a student loses their photo identification badge, they must notify the program director immediately. The student will be responsible for any badge replacement cost. If a given site does not issue ID badges for students, a Chattahoochee Technical College issued ID badge will be used in lieu of a hospital issued ID badge.

Procedure:

In the event a hospital-issued identification badge is lost:

1. The student must contact the program director immediately.

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2. The program director will arrange for a replacement badge to be issued by the security staff.
3. The student will be responsible for any replacement cost, and will be asked to provide proof of identification in order for a replacement badge to be issued.

Guideline: Dosimeter Care Guideline

The goal of radiation protection is to limit the probability of radiation induced diseases in persons exposed to radiation and in their descendants to a degree that is acceptable in relation to the benefits from the activities that involve such exposure (NCRP Report No. 107). Each student is required to exercise sound radiation practices at all times to insure safe working conditions for physicians, staff, faculty, other students and patients. Failure to comply with the Radiation Safety Standards may be grounds for disciplinary action pending Judicial Review.

Clarification: all students are to wear whole body radiation dosimeters (e.g., Dosimeters or thermoluminescent dosimeters) when in the vicinity of radiation producing machines (i.e: clinical assignments and during labs or practice in the lab.) *Students should operate according to ALARA guidelines in order to minimize exposure.*

Furthermore:

- The program director and clinical coordinator will review student radiation exposure reports to assure compliance with the dose limit listed below.
- Dosimeters must be replaced at periods not to exceed one month.
 - o *All dosimeters are to be obtained from the Program faculty at the beginning of each month.*
 - o *The Program will keep exposure records for each student during their tenure in the program. All students will be required to initial dosimeter reports on a monthly basis. Students may request access to their records at any time. Should any student receive more than 20 mrem in any month, the student will be counseled immediately regarding radiation protection practices.*
- Lost or damaged dosimeters must be reported immediately to the Program faculty. If a dosimeter is lost or damaged, the student shall cease work immediately until a replacement dosimeter is provided. The results of the calculated exposure and the time period for which the dosimeter was lost or damaged shall be documented.
- DO NOT wear CTC Dosimeter while working if employed in radiology. The employer must provide their own Dosimeter.

Guideline: Dosimeter Exchange

In order to expedite the monthly exchange of Dosimeters, each student will be responsible for bringing their Dosimeters to campus the first class day of each month. The program must receive all Dosimeters at one time in order to send them for reading in a timely manner.

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Procedure:

1. On the first scheduled class day of each month, students will bring their Dosimeters to class for exchange.
2. Current badges will be turned in to the clinical coordinator, and new badge inserts will be supplied.
3. At the end of the class day, the clinical coordinator will send all badges to be processed.

It is imperative that all students comply with this guideline in order to expedite the monthly processing of Dosimeters.

Non-compliance:

- ❑ If the student forgets to bring the Dosimeters, they may be asked to leave and retrieve them.
- ❑ The clinical coordinator will issue a written warning.

Guideline: Chattahoochee Technical College Vaccine Statement

The college does not require vaccinations as a criteria for admission and enrollment of students; however, immunizations are required for college health programs by our clinical partners. Students may not complete clinical rotations without meeting clinical site immunization requirements. All required vaccinations must be complete prior to starting clinical practice. Students completing internships or practicums in other majors must adhere to all job site vaccination guidelines. Clinical and job site requirements can and do change without notice or input from the College.

Guideline: Clinical Rotation Assignments

In order to ensure that all clinical activities are educationally sound, and to ensure equitable learning opportunities, it is the guideline of the Radiography Program to assign student rotations through clinical areas and facilities on a rotating basis.

A clinical rotation schedule will be distributed to each student, clinical instructor for each facility, and prior to the commencement of clinical activities. Rotation schedules will define the start and end dates, facility, and specific areas (when applicable) for each rotation period. Any changes to clinical assignments must be approved by the clinical coordinator prior to implementation.

Students are required to rotate through assigned areas only, and are not permitted to be “pulled” to cover staffing shortages. Doing so is a violation of JRCERT accreditation standards. Students are never to be utilized to supplement paid, technical staff. Students are not permitted to transport patients from the department to the floor or unit without direct supervision. Students may transport within the department under indirect supervision at the decision of the supervising technologist unless prohibited by patient condition. If the student feels uncomfortable transporting, the supervising technologist or clinical instructor should be promptly notified.

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In the event of decreased workload in the assigned area, a site clinical instructor may reassign the student to another similar area in order to maximize clinical learning experiences. Furthermore, students **are not permitted to “visit” in areas other than their assigned area.**

Procedure:

1. At the beginning of each academic semester, the clinical coordinator will prepare the clinical rotation schedule.
2. Schedules will be distributed to each student at the beginning of the academic semester.
3. Program officials and faculty will ensure distribution of schedules to facility supervisors and clinical instructors.
4. No changes to the rotation schedule can be made without the permission of the clinical coordinator.

Guideline: Clinical Make-Up Time (for missed clinical assignments)

If a student is going to be absent, late to clinic or leave early from clinic the student is required to call the clinical site and the clinical coordinator of the school. The student has to inform both locations 30 minutes prior to the assigned shift. If a student fails to contact both the clinical site and the clinical coordinator, they will receive a write up, which will result in a 5 point deduction from their clinical grade that semester.

In order to ensure "equitable learning opportunities" and adequate supervision as outlined in the JRCERT Accreditation Standards, the following guideline has been created.

Program Expectation:

All student radiographers are expected to maintain acceptable attendance patterns during scheduled clinical rotations. Students are required to attend all clinical assignments. All hours missed during clinical rotations must be made up in the clinical site and area the initial time was missed. All make-up time must be completed by the end of the last day of the clinical rotation.

For clarification, clinical competency evaluations may be completed during make-up time.

Terminology: The term **“Attendance Irregularity”** will be used to describe an incidence of arriving late (tardy) or leaving early. This term will also describe arriving late from lunch break.

Tardies:

- ❑ Students arriving late to clinical (1 minute up to 30 minutes) will owe 30 minutes of make-up time. This time can be made up on the same day, so long as the Clinical Coordinator and Clinic Instructor approve.
- ❑ Students arriving 31 minutes up to 60 minutes late will owe 60 minutes of make-up time.

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- ❑ Students arriving more than 60 minutes late will owe make-time totals accrued in 30-minute increments according to the above schedule.
- ❑ Students who are absent, arrive late, or leave early, regardless of using a clinical pass, MUST notify the clinical coordinator by phone or email in a timely fashion. Failure to do so will result in a 5-point deduction from the final course grade for each infraction.

Arranging make-up time:

1. Clinical make-up time must be scheduled in advance with both the site Clinical Instructor and program clinical coordinator. The student will complete and sign a makeup time request form and submit it to the clinical coordinator prior to the makeup hours. Make up time authorization will ultimately depend on staffing patterns and available levels of supervision. In accordance with JRCERT standards, students must limit clinical and academic involvement to not more than forty (40) hours per week. By completing and signing the Request for Clinical Makeup Hours form, the student acknowledges the fact that the 40 hour limit may be exceeded due to the original decrease in scheduled clinical hours. If makeup time is not arranged in advance, with approval by the clinical instructor and clinical coordinator, the time will not be counted toward hours owed.
2. A clinical make-up form must be filled out and signed by the shift supervisor indicating the hours recorded are accurate. An original form must be submitted to the clinical coordinator within one week of the makeup day / dates. Failure to do so will result in the hours not counting toward those owed.
3. If a student arranges make-up time, and fails to show up (or otherwise comply with the pre-arranged schedule), the student will receive a 5 point deduction from the clinical course final average and a write-up.

For example:

- ❑ **If a student's final course average for a clinical course is 92 (A), a 5 point deduction would drop their average to an 87 (B).**

Arranging clinical make-up time represents a commitment between the student and clinical facility.

Students not adhering to this guideline are subject to the following disciplinary action:

- ❑ 1st occurrence: a 5 point deduction in the final course average and a formal written reprimand will be issued.
- ❑ 2nd occurrence: program suspension pending Judicial Review

Excessive absenteeism defined:

Any and all clinical time missed must be made up, regardless of the reason for absence. Clinical rotations are subject to the program attendance guideline:

"Excessive absenteeism" is defined as missing more than 10% of the scheduled class days for each didactic, lab and clinical course.

Students missing more than 30 minutes of a scheduled class, or lab session will be counted as absent for the purpose of attendance accountability.

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If a student has three incidences of attendance irregularities (tardy/leave early), they will be equal to one absence for the purpose of attendance accountability (calculating the 10%).

If a student is absent or tardy for 10% or more of a course, for any reason, they will earn a grade of F regardless of other graded exams/assignments and be unable to progress in the program. Prolonged illnesses or other legitimate verified absences will count towards the 10% guideline and may be addressed via the grade appeal process.

Even if time missed is made up, in the event the student accumulates absences in excess of 10% of the clinical course scheduled sessions, they will be subject to receiving a grade of "F" for the course, with no credit earned for that course, regardless of the overall numerical grade average.

Even if time missed is made up, each absence prior to the 10% limit will result in a 3 point deduction from the final clinical course grade.

Make-up Time Restrictions

Weekends: In order to ensure equitable learning opportunities and adequate levels of clinical supervision, no clinical rotations will be scheduled for weekends. Weekend make-up time will not be permitted. In the event an injury was to occur, no program officials are available on weekends.

Lunch Breaks: Students may not skip lunch breaks, continue to work, and count that time toward time owed (make-up)

Minimum Time Block: All make-up time is to be completed in a minimum time block of 2 hours. Students will not make up time in shorter increments unless permission is granted by the Clinical Coordinator.

Permissible days: The following is a summary of when pre-arranged clinical make-up time can be completed:

- ❑ On weekdays following the completion of regularly-scheduled clinical assignment, no later than 8:30pm.

Holidays: Due to departmental reduction in staffing on holidays, and the available level of adequate supervision and school closure, no make-up time is permitted to be scheduled for any holidays.

Students employed by clinical affiliate sites: It is the position of the program that students employed by the clinical facility will not act in the capacity of "student" while they are being compensated (on the clock). No time can be made up while the student is being paid for the hours. Furthermore, no competency evaluations can be completed while the student is being compensated for hospital work.

Students may not make up time in the mornings before 8:00am.

Students may NOT "skip" classes in order to make up missed clinical hours. If a student completes make up time when they are supposed to be in class, they will be subject to a letter

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grade reduction in their clinical course. The student will also receive a zero in the class, which will count towards their exam average.

Guideline: Established Clinical Leave Time

Program Expectation: Attendance at the clinical site is a requirement of the Radiography Program. Absence days from the clinical site are strongly discouraged due to the time required to master performance of radiographic procedures and the number of clinical competencies that are required of each semester. Recognizing that all individuals may become unexpectedly ill, or encounter an **unforeseen emergency situation the Radiography Program has incorporated “Established Clinical Leave Time.”**

Each student will be handed two ‘sick day/ absence’ along with two tardy/leave early passes (to be used during the length of the program.) The ‘sick day/ absence’ pass will account for an eight hour period. The tardy/leave early pass will only cover a tardy for the first or last 30 minutes of schedule clinical day. If a student exceeds a tardy of 31 minutes or more they will be subject to the provisions outlined in the Clinical Make-Up Time Guideline (see Clinical Make-Up Time (for missed clinical assignments) Guideline.)

Clarification: **Two ‘sick day/ absence’ along with two tardy/leave early passes are given to each student prior to the commencement of any clinical activity. It is the student’s responsibility to manage such passes and turn them into the clinical coordinator accordingly. It is recommended that the student refrain from missing clinical unless an emergency occurs or the student is ill.**

Inclement Weather: If inclement weather occurs, the Program Director or Clinical Coordinator will communicate by email if there is a delay in opening or if classes are cancelled. You should also be notified by CTC as well. You will not be allowed to attend your scheduled class time or clinical rotation during the time that the school is closed and it will be excused. If there ever is a situation to where you **are not able or if you think that you can’t make it to class or clinic due to weather, please notify the appropriate instructors and use your BEST judgment as to when and if you can make it.**

Guideline: Signing in and out for clinical assignments

Each clinical affiliate site will have a method for tracking student attendance during regularly scheduled clinical rotation days. Each student will receive an attendance roster (sign in & out sheet). It is the responsibility of each student to orient themselves as to time-keeping procedures at the particular site where the student is rotating. Each site keeps the timesheets in different locations, so it will be the **student’s responsibility to ask a Clinical Instructor where the timesheets are kept.**

Any student caught signing in or out for themselves or another student will be subject to **immediate program suspension pending Judicial Review. Any student caught “changing their**

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timesheet” or forging the initials or signature of a registered technologist, will also be subject to immediate program suspension pending Judicial Review.

At the start and end of each clinical day, students will have a registered technologist within the main dept write in the time and initial. Any student caught signing in and out simultaneously will be suspended, pending Judicial Review, for falsification of time records.

Clinical Rosters must remain at the clinical site in a central location. Time records are not to be removed from the site. The only exception is when a student is rotating to a new clinical site. The student will be responsible for carrying the current time sheet with them to the new site.

The clinical coordinator and clinical faculty members will regularly review time records during clinical site visits and note any irregularities. Attendance warnings may also be issued for excessive tardiness or absences if applicable (following two or more).

If a student fails to be signed in and out for an entire clinic day, they will be counted as absent, without exception.

If a student fails to be signed in for a clinic day, but is present at the clinical site, they will be marked as late, and will be required to make up a minimum of ½ hour of time (or more if they arrived more than 30 minutes late).

Guideline: Lunch Breaks

Students enrolled in the radiography program will be allocated a thirty-minute (30) period for lunch each clinical day in addition to a fifteen-minute (15) break period. If it is not possible to take the break, this time may combine to allow for a forty-five minute (45) lunch break. The designated site clinical instructor will schedule the actual meal period with consideration being given to the workload in the assigned area. Lunch breaks will not be taken during the first or last hour of the scheduled clinical day.

Guideline:

1. Designated clinical instructors in each area will assign lunch breaks. Lunch times may vary according to patient workload.
2. Students are expected to closely observe the time of their meal period in consideration of other students and staff technologists in their assigned area. Tardiness in returning from the meal period will result in disciplinary action including makeup time required.
3. Students taking longer than the allotted time will receive a reprimand (write up) from the clinical instructor at the site.
4. **Students are not allowed to “skip” their lunch and/or breaks in order to leave from clinic early or to arrive to clinic late.**

Purpose:

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To establish a meal period during regularly scheduled clinical rotation days.

Definitions:

A lunch break means a period of time during which the student is not in a patient care area and is relieved of all clinical and clerical responsibilities.

Guideline: Leaving Assigned Clinical Rotation Areas

Students are not permitted to leave their assigned clinical area during a scheduled clinical day without the permission of the designated site clinical instructor. The designated clinical instructor will assign each student a lunch period according to the rotation area workload (*see Lunch Break guideline*).

Students will not take lunch breaks during the first or last hour of a scheduled clinical day.

If a student leaves an assigned area without the permission of the designated site clinical instructor, disciplinary action will result including program suspension, pending Judicial Review.

Students are not to leave their clinical areas at the end of the day until all work in progress is completed including necessary clerical functions. Under no circumstances are students permitted to invest more than forty hours per week in program activities consisting of class and clinical schedules combined, in accordance with JRCERT Standards, unless permission is granted by the Clinical Coordinator or Program Director.

Guideline: Clinical Logs

It is the guideline of the Radiography Program to comply with all program accreditation requirements published by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

JRCERT Standard One, objective 1.3 states that the program:

"Provides timely, appropriate, and educationally valid clinical experiences for each admitted student"

As one method for documenting compliance, students during clinical rotations will maintain clinical logs as a record of the volume and variety of procedures performed and to document that clinical activities are indeed educationally valid.

Procedure:

1. At the beginning of the first semester, clinical logs will be distributed to each student, and from that point on, the logs are available in the back of the classroom for students to obtain as needed.

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2. The clinical logs must accompany each student during clinical rotation activities and be part of their clinical uniform. It is the student's responsibility to update these logs on a daily basis by documenting the procedures they have observed, assisted with, or performed under indirect supervision.
3. Clinical logs will be submitted to the Clinical Coordinator within 2 weeks of completion.

The clinical coordinator and clinical faculty members shall periodically (and at random) inspect student clinical logs to ensure guideline compliance. A documented verbal warning will be issued if the log is either left home, or not being updated as required for the first offense. Subsequent violations will be issued a formal written warning, and the clinical grade will be reduced in accordance with the Clinical Warnings / Reprimand guideline.

Failure to submit completed clinical logs at the end of the semester will result in disciplinary action.

Guideline: Clinical Warnings (a.k.a “write-ups”)

Each time a clinical guideline is violated, the student will receive a written warning. Specific clinical policies have been outlined and described throughout the Student Handbook. Accompanying each guideline is the penalty for violation. As with all disciplinary issues, the student may appeal in accordance with the program Due Process Guideline. Clinical warnings will adversely impact the student's clinical grade.

Procedure:

1. If a clinical guideline is violated, the student will receive a (documented) first warning followed by a subsequent second warning or other action depending on the severity of the issue involved.
2. Each written warning will result in a deduction of **5 points from the student's clinical grade for that semester**.
3. Students receiving 2 warnings within the same semester (same infraction or 2 different infractions) **will receive a deduction of 10 points from the student's clinical grade for that semester**.
4. The first time you violate any of these guidelines, the student will be written up with counseling. The second incident will be a write up, probation and counseling. The third incident will consist of receiving a grade of F in the course.

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The site clinical instructor will perform primary clinical supervision and guideline adherence monitoring. The clinical coordinator will coordinate and oversee student supervision. Each site clinical instructor has the authority to issue warnings to students for violating clinical policies, in accordance with specific program guideline governing the violation.

Guideline: Weekend Clinical Activities

In order to ensure equitable learning activities and adequate levels of clinical supervision, no clinical rotations will be scheduled for weekends. Students needing to make up time missed are only allowed to do so during weekdays (*See Clinical Make-up Time Guideline*). Weekend make-up time will not be granted.

Guideline: Examination Rooms and Clinical Area Responsibilities

Students are required to maintain a clean environment in their assigned clinical area / examination room. This will also include stocking of rooms with supplies and replenishment of the room linen. The supervising technologist and/or designated facility clinical instructor will assign specific duties to student radiographers relative to maintaining adequately stocked and clean exam areas.

Students are responsible for all technical, clerical, and other duties relative to the performance of radiographic procedures. This includes, but is not limited to, all necessary exam paperwork and computer functions.

All students will perform patient examinations and studies according to their skill-level and will assist staff technologists with the following:

- a. Identification of radiographs
- b. processing radiographs
- c. caring for the needs of patients
- d. lifting and moving patients as necessary
- e. cleaning examination rooms and equipment
- f. emptying laundry hampers in examination rooms if necessary
- g. **recording the procedure in the hospital's computer system and completing associated paperwork**

Under no circumstances will a student eat or drink in patient areas including radiographic examination rooms. Doing so violates OSHA Blood-borne Pathogens guideline. Food and beverage consumption must be done only in designated areas within the hospital. Each clinical instructor will inform students of the designated area.

Guideline: Student Supervision (Direct and Indirect)

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The clinical education portion of the curriculum consists of a structured, competency-based system interrelated with the didactic portion of the program. Through the interaction between students, the clinical instructors and staff, and imaging patients, students have an opportunity to complete mandatory **and elective competencies (as required by the ARRT) and achieve the program's mission and goals.**

The presence of students in the clinical areas is not intended to supplement or replace paid technical staff. Clinical education opportunities are provided under the supervision of qualified radiographers, clinical instructors, clinical supervisors, and adjunct clinical faculty.

1. Direct Supervision defined:

Until a student demonstrates clinical competency for a specific radiographic procedure, all medical imaging procedures must be performed under the direct supervision of a staff radiographer.

The radiographer will review the examination **request in relation to the student's achievement relative** to obtaining a passing score on the clinical competency evaluation. The staff radiographer must **evaluate the patient's condition to determine whether or not the student possesses the necessary** knowledge and skill level required to perform the examination. The radiographer must remain in the room **observing the student's performance. The radiographer will complete a competency evaluation form as documentation of the student's ability level relative** to the specific examination performed. For ALL mobile studies and OR procedures, the technologist must accompany the student, regardless of competency status.

All students must work under direct supervision (a staff radiographer physically present in the examination room) until such time that they have successfully completed a competency evaluation as described above (*see also clinical competency exam guideline*).

2. Indirect Supervision defined:

When a student successfully completes a competency evaluation for a particular examination, they are permitted to perform only those examinations under the indirect supervision of a qualified staff radiographer. Indirect supervision is defined as a staff radiographer is immediately available to the student in an adjacent room to assist should the need arise. The staff radiographer is also available to answer any questions the student may have relative to the procedure and patient condition.

For all mobile studies, the technologist must accompany the student, regardless of competency status.

Students may perform portable radiographic procedures under indirect supervision (following successful completion of a competency evaluation) provided that a staff radiographer is readily available (*see above*) to assist the student should the need arise. This may vary according to departmental guideline, which will take precedence.

The student's ability to work under indirect supervision following successful completion of a competency evaluation shall be subject to the professional decision making of the supervising staff radiographer or clinical instructor and may vary according to the area of clinical rotation.

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Although students will rotate through the operating room, and will be required to assist and perform portable examinations, as well as complete area specific competencies, all students in the operating room and all students performing a portable examination will work only under the direct supervision of a staff radiographer, regardless of competency status. Students are not permitted to transport patients without direct supervision.

If a student feels that the supervision policies described above are not being adhered to, written notification must be immediately submitted to the program director so that the necessary corrective actions will be taken. No student retaliation will be permitted following notification of guideline violation.

Student supervision will be monitored to ensure compliance with program guideline by adjunct clinical faculty members and the program clinical coordinator.

Guideline: Portable Procedures (Direct Supervision)

In order for the program to remain compliant with all JRCERT Accreditation Standards, once a student receives a portable competency, they may only perform the study under direct supervision. The technologist is required to accompany the student to the floor area at all times.

Any student performing a portable examination, regardless of the location of the exam, will work only under the direct supervision of a staff radiographer, regardless of competency status.

If a student feels that the supervision policies described above are not being adhered to, written notification must be immediately submitted to the program director so that the necessary corrective actions will be taken.

Student supervision will be monitored to ensure compliance with program guidelines by adjunct clinical faculty members and the program clinical coordinator.

Guideline: Incomplete Clinical Courses

Below, the Chattahoochee Technical College guideline regarding grades of "incomplete" for courses can be found. This guideline can be found in the College catalog:

Incomplete—assigned by an instructor to a student who has completed 85% of the coursework by the end of the grading period. The “I” grade automatically becomes a grade of “F” if the student does not satisfactorily complete the coursework and the record does not reflect a new grade by the end of the 4th week of the following semester. If a grade of “I” is received in any course that is a prerequisite to other courses, the student must complete the required prerequisite and receive a satisfactory final grade to be eligible to enroll in the next level course. The student may not register for the same class until the “I”

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grade is resolved. "I" grades are only acceptable for credit classes and not allowed in learning support courses. The college calendar notes established semester deadlines.

Incomplete clinical courses continue to be an ongoing issue. The first day of each semester a course syllabus is distributed to each student that outlines the minimum requirements for successful completion of the clinical course, including a minimum number of competency evaluations to be completed by the end of the semester. In addition, a specific number of clinical hours must be completed, as defined by the Technical College System of Georgia (TCSG) for each clinical course.

In accordance with the CTC guideline referenced above, an incomplete "I" grade will be assigned only in the event the student has made arrangements with the appropriate faculty member(s). For clarification, the radiography program guideline will require arrangements to be made with both the clinical coordinator and program director. Assignment of a grade of "I" will ultimately be at the decision of the program director.

For the purposes of good record keeping, any student wishing to make special arrangements must request a formal meeting with the clinical coordinator and program director in writing. Once the request is received, a meeting will be scheduled during which time all of the student's clinical records will be evaluated and a determination made if the student is genuinely able to benefit from continued enrollment in the program.

Students not requesting special arrangements at least three weeks prior to the completion of a clinical course will receive a grade of "F" in accordance with Chattahoochee Technical College guideline.

It is each student's responsibility to make up time missed and to have regular, acceptable levels of attendance.

This does not apply to students on a leave-of-absence (with appropriate documentation) arranged with the program director in advance (see *leave-of-absence guideline*).

It is the student's responsibility to complete clinical competency evaluations at an appropriate rate. Failure to do so demonstrates a lack of clinical progress. If the student is experiencing difficulties with clinical performance, it is their responsibility to notify the site clinical instructor a program clinical coordinator to arrange for remedial instruction.

If an "I" is granted, once the completed hours or competencies are completed, the clinical course grade will be reduced by one letter.

Guideline: Personal Clinical Documentation Requirements

It is the student's sole responsibility to maintain compliance by submitting required clinical documentation of TB records, CPR certification, and Hepatitis B series vaccinations on or before the dates of expiration. Students will maintain Basic Life Support (BLS) CPR and AED certification only through the American Heart Association (AHA) for health care providers.

Students have an obligation to check with the Clinical Coordinator if they are unsure of the due dates of each necessary item. If a student is found to be at clinic with any of the above items expired, the student

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will be sent home, counted absent, required to make up the time missed, and given a written warning to go in their clinical file.

Furthermore, any student requiring “light duty” must bring physicians orders outlining the requirements. If a physician’s orders outline requirements such that a student is unable to perform the programmatic outlined technical standards, the student will not be permitted to attend clinic until cleared by their physician. (for example: non weight bearing, ie. on crutches) This missed clinical time will be counted towards the student’s 10% attendance.

Clinical affiliates of the radiography program require a flu shot every October during flu season. Students unable to receive flu shots due to medical or personal reasons will be required to submit an appeal to Wellstar clinical management, and a decision will be made by the facility if the student will be allowed to continue clinical education at that site.

Guideline: Personal Medical Emergencies and Incomplete Course Work

In the event a student experiences a significant personal medical emergency, which necessitates a brief **interruption in attendance, a grade of “I” (incomplete)** will be awarded for the course(s) if work is not made up by the end of the current semester. If an extended period of time off is necessary, the student will be encouraged to take a medical leave-of-absence (*see LOA guideline*)

Procedure:

If a student experiences a significant medical emergency that necessitates a brief interruption in attendance, the following procedure should be followed:

1. The program director is to be notified as soon as possible on the nature of the emergency and the **estimated length of recuperation specified by the student’s physician.**
2. **Documentation will be requested from the student’s physician outlining the date** the student may return to class and clinical activities, with appropriate accommodation / duty restrictions if applicable.
3. **If all clinical time missed is not made up by the end of the semester, a grade “I” will be submitted.** In accordance with Chattahoochee Technical College’s guideline regarding incomplete grades, the student will be required to complete any missed hours by the end of the following semester.
4. The student and clinical coordinator will develop a written schedule of make-up time upon return to clinical activities. In accordance with existing program policies, time missed will be made up in the **specific rotation site and areas where the absence occurred in order to provide for “equitable learning activities” as required by JRCERT.** Furthermore, the schedule should ensure the student does not invest more than 40 hours of program activities (class, lab, and clinical time) in any given week, as outlined in the JRCERT Standards for Accreditation.
5. Failure to make up missed clinical hours by the **end of the next semester will result in the “I” being converted to a final course grade of “F”**

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Guideline: Student Injury During Clinical Assignments

In the event a student is injured while performing the tasks associated with a clinical assignment, the student should immediately be referred to the emergency department for assessment and initial treatment. The student must be evaluated the same day as the injury. It is the student's responsibility to comply with follow-up care and treatment.

Protocol:

In the event of injury, the following protocol must be followed:

1. The student and supervising technologist will complete an institutional incident report and forward it in accordance with clinical site guideline. The clinical coordinator should be contacted immediately.
2. The supervising technologist must also complete a Chattahoochee Technical College Incident Report. This report must be forwarded to the program director and clinical coordinator within 24 hours of the injury.
3. The student will be referred to the emergency department for initial assessment and treatment. For students rotating at freestanding imaging centers, the student should be referred to the closest hospital emergency department. Payment for medical attention received will be made from the student services accident insurance guideline. The premium for this guideline is paid each semester as part of the "*student services fee*" during registration.
4. The injured student will be required to follow up with subsequent medical treatment as deemed necessary by the healthcare provider. Failure to do so will release the program from liability. Follow-up care will be provided by the student's personal physician, and bills will be sent to the business office, as outlined in number 3 above. Documentation of follow up care must also be submitted to the program director.
5. The injured student will not be permitted to return to program activities until cleared (in writing) by a licensed physician. All time missed from clinical rotation and course work must be made up in accordance with current program policies.

Guideline: Student Injection of IV Contrast

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It is the guideline of the Radiography Program that students only inject intravenous contrast after specific criteria are met and only under appropriate, direct supervision.

Students will only be permitted to inject intravenous contrast media after the following criteria have been satisfied:

- a. Receiving didactic instruction on venipuncture and intravenous contrast media in RADT 1010.
- b. Receiving didactic instruction on aseptic technique and patient care considerations relative to intravenous contrast injection in RADT 1010.
- c. Receiving laboratory instruction and successfully completing a competency evaluation for venipuncture.
- d. Passing a written examination (with a grade of 75% or higher) which includes intravenous contrast, aseptic technique, and venipuncture.
- e. Completion of RADT 1010 with a final course average of 75% or higher.
- f. Completion of a separate competency evaluation for intravenous contrast injection.
- g. Possessing current CPR certification.
- h. Completion of a site "scavenger hunt" form for the specific rotation site, which includes emergency numbers, location of the "crash cart", and other pertinent safety measures.
- i. They have had the opportunity to observe and progressively participate in contrast injection during clinical rotation in the appropriate assigned areas. Students are not allowed to prepare contrast media for injection.
- j. Students will not infuse intravenous contrast without proper supervision (one of the following must be physically present in the examination room throughout the entire injection:
 1. a staff radiologic technologist
 2. a special procedures nurse
 3. a radiologist

Students will not insert the needle or catheter, but may inject once venous access is secured and checked for signs of infiltration by one of the individuals listed above under "j". Furthermore, students are never to inject contrast through an existing port-a-cath, PICC line, or other central venous line.

This guideline shall be enforced throughout the duration of program enrollment. Violation of this guideline will result in immediate program suspension, pending Judicial Review for unsafe patient care practices.

Rationale:

To provide for patient safety with regard to intravenous site infiltration and adverse contrast reactions. This guideline will further clarify the criteria to be met and "appropriate" level of supervision during contrast injections.

Protocol for student clinical exposure to blood or bodily fluids

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Purpose:

This protocol was designed to clarify the procedure to be followed in the event a student is accidentally exposed to blood or other bodily fluids during clinical assignments. This protocol will apply to all radiography students who may accidentally incur a significant percutaneous or mucosal exposure (*see definition below*) to blood or other bodily fluid, which may expose them to any of the hepatitis viruses, the human immunodeficiency virus (HIV), and / or other blood-borne pathogens.

Exposure prevention:

Prevention of potential exposure to blood-borne pathogens is accomplished by the following:

1. Immunization of all students with the series against hepatitis B.
2. Initial instruction on Standard Precautions during RADT 1010 (Introduction to Radiography). This instruction may include the use of reading assignments, videos, and laboratory experience.
3. Instruction of all enrolled students in the use of Standard Precautions will be designated by the **clinical affiliate's Infection Control Department nurse during new student orientation**. In addition, qualified technologists will supervise students in the clinical affiliate sites (*see supervision guideline*).

Blood and / or body fluid exposure is defined as any of the following:

- ❑ Percutaneous inoculation: needle stick or "sharps" injury
- ❑ Non-needle percutaneous exposure: open cuts and / abrasions
- ❑ Direct mucosal membrane contact: accidental splash
- ❑ Direct hand contact: with large amounts of blood and / or body fluids without glove protection. Hands may have small nicks or cuts which may allow a virus to enter through the skin.

Student Responsibilities:

5. Effective prevention depends upon adequate immunization against hepatitis B, and the conscientious, consistent use of Standard Precautions. Students are responsible for obtaining the necessary immunizations and using proper precautions in situations where exposure to blood or body fluids may potentially occur.
6. If an accidental exposure occurs, immediately wash the area of exposure, and report the incident to the designated site clinical instructor. The clinical coordinator should be notified immediately of the exposure and an institutional incident report will be completed and submitted according to clinical site guideline. In addition, a Chattahoochee Technical College Incident Report must be completed by the supervising technologist and submitted to the clinical coordinator within 24 hours.
7. The student will immediately report to the emergency department for evaluation and treatment (*see the Student Injury guideline for information regarding payment and submission of bills*).
8. It is the student's responsibility to comply with necessary medical screening, treatment, and follow-up. Failure to do so will release the program and clinical site from liability.
9. Student will not be permitted to attend clinical until a documented clearance is received from a physician.

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Faculty Responsibilities:

1. Program faculty members are expected to reinforce the use of standard precautions with students through education and practice.
2. In the event an exposure is reported, the faculty will:
 - ❑ determine the extent of the exposure
 - ❑ ascertain the client's blood-borne pathogen status as soon as possible following the exposure. The faculty will comply with the clinical affiliate procedures for obtaining necessary testing if client status is not known.
 - ❑ ensure completion of the CTC Incident Report.
 - ❑ counsel the student regarding the accidental exposure and inform on the procedure for obtaining follow up care and treatment.

Clinical Affiliate Responsibilities:

1. Clinical rotation areas will ensure that standard precautions are followed by providing adequate student supervision (*see supervision guideline*).
2. Make available the institution's blood-borne pathogens plan.
3. Affiliates will assist faculty in obtaining information regarding the client's blood-borne pathogen status, with regard to patient confidentiality and HIPAA regulations.

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Faculty Member / Student Consent Form

Accidental Exposure to Blood or Body Fluid
HIV Antibody Test

I have reported an exposure to a patient's / client's blood or other potentially infectious body fluids and have been counseled to have the HIV (AIDS virus) antibody testing.

I understand that this test will be performed as soon as possible after the exposure, and will be repeated at intervals, according to current US Public Health Service guidelines. I understand that there will be no charge to me for this testing.

I acknowledge that prior to signing this consent form that I received direct, personal counseling which has included the following:

1. the purpose for the test
2. the procedures to be followed
3. the limitations of the test and the meaning of the test results
4. what is AIDS and how the HIV virus is transmitted
5. measures for prevention of HIV infection
6. the voluntary nature of the HIV antibody test and the right to withhold consent to the test process prior to the actual test being done
7. the right to keep confidential the information identifying me and the test and the test results to the extent provided by law
8. when the test results will be available
9. partner notification
10. other recommended limitations and restrictions on activities until completion of the test process

I understand that the test results will be released to the Institution Infection Control Coordinator and will not be released to any other agency or individual without my express written authorization.

I have had the opportunity to ask questions, which have been answered to my satisfaction. My signature below indicates that I am consenting to HIV antibody testing.

Signature date

Witness date

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Guideline: Program Definition of "Clinical Competence"

In accordance with the ARRT position regarding "clinical competence", the radiography program will determine what constitutes "competence" with regard to clinical competency evaluations, provided three performance areas (independent performance, consistent performance, and effective performance) are addressed. The radiography faculty have determined the following performance areas constitute clinical competence:

1. Independent Performance:

- ❑ The student must volunteer to perform a competency evaluation, not be prompted to do so.
- ❑ There must be absolutely no input from the evaluating technologist throughout the procedure, unless intervention is necessary or patient safety and / or radiation protection. This will terminate the competency evaluation.
- ❑ The student will not ask any questions of the technologist
- ❑ The evaluator will not offer any assistance throughout (unless lifting help is required for difficult patients).
- ❑ Only the patient, student and technologist will be present in the exam room throughout the evaluation. No other students are allowed to be present.
- ❑ Markers must be visible on 100% of the position/projections of the exam being performed
- ❑ Films marked incorrectly will terminate the competency evaluation
- ❑ Student must be within 15% of an appropriate technique selection that would produce a comparable image otherwise the competency evaluation is terminated

2. Consistent Performance:

- ❑ Programs must assess student ability levels more than just once.
- ❑ "Terminal Competencies" will also be required for program graduation.

3. Effective Performance:

- ❑ Performance results achieve the desired outcome (image quality, positioning accuracy, etc.). Diagnostic-quality images are obtained and patient safety is ensured. Adequate radiation protection measures were employed.

It is the student's responsibility to see that all competencies are completed in a given semester. These exams are to be performed without assistance in the presence of a qualified technologist. This excludes competency for fluoroscopy exams only.

CTC Program definition of "Clinical Competence"

Clinical competence will be defined by the following criteria. The student will be able to accurately:

1. manipulate the radiographic equipment, including tube, bucky, and control panel.

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2. select the appropriate technical factors within 15% and adjust as necessary (*see guideline regarding technique and competency evaluations*).
3. perform the procedure from start-to-finish including positioning, patient care duties, and communication with the patient.
4. perform the procedure ensuring patient safety, address patient comfort and modesty, and employ appropriate radiation protection measures.
5. identify relevant radiographic anatomy for the procedure (*see list in the student handbook*).

All of the above items are evaluated during competency examination evaluations, and specific items on the competency evaluation form address each.

Competencies that are rejected (bounced) by the Clinical Coordinator will require repeat of the entire exam. Each subsequent competency attempt will be subjected to a 10 point reduction. (For example: the maximum possible score on the second attempt will be a 90. The maximum possible points on the third attempt would be 80).

Process for Repeat Competencies

A student who has been unsuccessful in the first attempt to prove competency on a procedure/exam will, when applicable, before a second attempt:

1. Be counseled by the person administering the evaluation to identify area of weakness.
2. Review the relevant procedure.

It is the student's responsibility to make arrangements with the Clinical Instructor to schedule the above activities.

A student who has been unsuccessful in the second attempt to prove competency on a procedure/exam will be placed on clinical probation. The probationary period ends when the student successfully passes the competency evaluation. Before the third attempt the student will, when applicable:

1. Be counseled by the person administering the evaluation to identify areas of weakness.
2. Review the relevant procedure.
3. Request an academic review with image evaluation from the Clinical Coordinator within ten (10) days of the second attempt.
4. Submit to an exam from the Clinical Coordinator covering relevant material. This exam will be given no more than five (5) class days after the academic review session. Third attempts to prove competency will be evaluated by a radiographer selected by the Clinical Coordinator.
5. The competency grade will be derived as an average between attempt one and attempt two.

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It is the responsibility of the student to make arrangements with the clinical instructor to schedule the above mentioned activities.

A student who fails to pass a competency evaluation on the third attempt will be assigned a grade of **"F" for the enrolled clinical course and will follow the grade appeal process.**

Guideline: Competency Evaluations - Technical Factor Selection

It is the guideline of the Radiography Program to produce graduates possessing the skills necessary to function as entry-level technologists. In order to ensure that program graduates have achieved an appropriate level of skill mastery and clinical competence, all clinical procedural competency evaluations must be performed utilizing manual technique settings. A few guideline exemptions are listed below.

Procedure:

1. In accordance with established program clinical competency evaluation guidelines, all competency evaluations must be observed by the evaluating technologist (under direct supervision), and a competency form completed.
2. For each exposure made, the student must set appropriate kVp and mAs values. Phototiming is not permitted. If a competency evaluation is performed on digital equipment, no image manipulation may occur, and the student will be scored according to the initial image displayed (for image quality). Manual technique must also be set for competency evaluations performed on digital equipment. Manual technique must be within 15% of an acceptable image in order to receive the competency.
3. Final radiographs will be evaluated for diagnostic quality as part of the established competency evaluation procedure.

Rationale:

To ensure all completed competency evaluations accurately reflect the student's level of competence and knowledge base. In order to be certified as "competent", the student radiographer must be able to demonstrate an acceptable level of competency in the performance of the particular examination, which includes equipment adjustment and technical factor selection (*see also the program's definition of clinical competence*).

Guideline Exceptions:

The following procedural competencies shall be considered exempt from manual technique settings:

Gastrointestinal procedures utilizing contrast agents. Specifically:

- ❑ Esophagus studies
- ❑ Upper GI Series (single or double contrast)
- ❑ Small Bowel Series
- ❑ Barium Enema (single or double contrast)

Additional exempt procedures:

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- ❑ Myelography (except for cross-table exposures)
- ❑ Cystography
- ❑ C-Arm procedures, including operative cholangiogram

Guideline: Clinical Competency Requirements

In accordance with the ARRT examination eligibility requirements, it is the guideline of the Radiography Program that a student successfully complete all required competency evaluations before they are considered to have completed the program of study. Students must successfully complete clinical competency examinations on all 37 mandatory and 14 of the listed elective procedures as found on the ARRT competency checklist. No registry applications will be signed by the Program Director until all required competencies have been completed (total of 52 procedural and 10 patient care), in order to meet ARRT examination eligibility requirements.

During the semesters when specific named competencies are required, (see clinical syllabi) a **student will receive a “zero” if the required competencies are not obtained during that outlined semester.**

The 37 mandatory competencies should be performed on actual patients, with no more than two to be simulated if demonstration on an actual patient is not feasible. The only two mandatory competencies that may be simulated are listed below. The ten general patient care competencies should also be performed on actual patients if at all feasible.

Of the elective competencies listed, 14 are required and should also be demonstrated on actual patients. No more than four (out of an allowed ten) elective competencies are to be simulated if demonstration on actual patients is not feasible. (see list below for specifics)

Simulations will only be accepted during the fourth semester.

A signed, completed competency evaluation form must be on file with the student's clinical records for all 61 examination competencies and 10 general patient care competencies in order to successfully complete the Radiography Program (*see program-specific graduation requirements*).

In order to perform an examination under indirect supervision, the completed competency evaluation form must be in the student's **clinical file**. **Students are not permitted to complete a competency evaluation on a particular examination until after the examination has been covered in class and laboratory, and the student has successfully passed a written examination on the procedure. No exceptions to this rule will be permitted** (*see clinical competency testing guideline*).

At the completion of the fourth semester of program enrollment, if all competencies are not complete, additional clinical rotations will be scheduled until such time that all competencies are passed. For ARRT examination eligibility, the Program Director cannot confirm program completion until all requirements are met.

The following mandatory competencies that may be simulated are:

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- Humerus
- Cross table hip

Only 4 of the following elective competencies can be simulated are:

- Sternum
- Scapula
- AC joints
- Skull
- Orbits
- Zygomatic Arches
- Mandible
- Sinuses
- Scoliosis Series
- Sacroiliac Joints

Competency exams can only count for one exam per study. There will be several exams that will have more than one view that may be considered as multiple exams but can only be counted once per exam. (Ex: knee, patella) If a patient has multiple exams you may comp as many of those as needed. (Ex: foot, ankle, knee, etc...)

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RADIOGRAPHY



DIDACTIC AND CLINICAL COMPETENCY REQUIREMENTS

*Eligibility Requirements Effective January 2022**

Candidates applying for certification and registration under the primary eligibility pathway are required to meet the Professional Education Requirements specified in the ARRT Rules and Regulations.

ARRT's Radiography Didactic and Clinical Competency Requirements are one component of the Professional Education Requirements

Didactic Requirements

The purpose of the didactic competency requirements is to verify that individuals had the opportunity to develop fundamental knowledge, integrate theory into practice and hone affective and critical thinking skills required to demonstrate professional competence. Candidates must successfully complete coursework addressing the topics listed in the ARRT Content Specifications for the Radiography Examination. These topics would typically be covered in a nationally-recognized curriculum such as the ASRT Radiography Curriculum. Educational programs accredited by a mechanism acceptable to ARRT generally offer education and experience beyond the minimum requirements specified in the content specifications and clinical competency documents

Clinical Requirements

The purpose of the clinical competency requirements is to verify that individuals certified by the ARRT have demonstrated competence performing the clinical activities fundamental to a particular discipline.

Competent performance of these fundamental activities, in conjunction with mastery of the cognitive knowledge and skills covered by the certification examination, provides the basis for the acquisition of the full range of procedures typically required in a variety of settings. Demonstration of clinical competence means that the candidate has performed the procedure independently, consistently, and effectively during the course of his or her formal education. The following pages identify the specific procedures for the clinical competency requirements. Candidates may wish to use these pages, or their equivalent, to record completion of the requirements. The pages do NOT need to be sent to the ARRT.

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- _ Ten mandatory general patient care activities.
- _ Thirty-six mandatory imaging procedures.
- _ Fifteen elective imaging procedures to be selected from a list of thirty-four procedures.
- _ One of the fifteen elective imaging procedure from the head section.
- _ Two of the fifteen elective imaging procedures from the fluoroscopy studies section.

One patient may be used to document more than one competency. However, each individual procedure may be used for only one competency (e.g., a portable femur can only be used for a portable extremity or a femur but not both)

Documentation of Compliance

Verification of program completion, including Didactic and Clinical Competency Requirements and all

degree-related requirements including conferment of the degree, will be completed on the Program Completion Verification Form on the ARRT Educator Website after the student has completed the Application for Certification and Registration.

Candidates who complete their educational program during 2022 or 2023 may use either the 2017 Didactic and Clinical Competency Requirements or the 2022 requirements. Candidates who complete their educational program after December 31, 2023 must use the 2022 requirements. To document that the didactic and clinical requirements have been satisfied, candidates must have the program director (and authorized faculty member if required) sign the ENDORSEMENT SECTION of the **Application for Certification** included in the *Certification Handbook*.

Radiography Clinical Competency Requirements

The clinical competency requirements include the ten general patient care activities listed below and a subset of the 69 radiologic procedures identified on subsequent pages. Demonstration of competence should include variations in patient characteristics (e.g., age, gender, medical condition).

1. General Patient Care

Requirement: Candidates must demonstrate competence in all ten patient care activities listed below. The activities should be performed on patients; however, simulation is acceptable (see note) if state or institutional regulations prohibit candidates from performing the procedures on patients.

General Patient Care	Date Completed	Competence Verified By
<input type="checkbox"/> CPR		
<input type="checkbox"/> Vital Signs (blood pressure, temperature, pulse, respiration, pulse oximetry)		
<input type="checkbox"/> Sterile and aseptic technique		
<input type="checkbox"/> Venipuncture (simulated on rubber venipuncture arms)		
<input type="checkbox"/> Transfer of patient (Wheelchair)		

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<input type="checkbox"/> Transfer of patient (Stretcher)		
<input type="checkbox"/> Care of patient medical equipment (e.g., oxygen tank, IV tubing)		

**Note: The ARRT requirements specify that certain clinical procedures may be simulated.*

Simulations

must meet the following criteria: (a) the student is required to competently demonstrate skills as similar

as circumstances permit to the cognitive, psychomotor, and affective skills required in the clinical setting;

(b) the program director is confident that the skills required to competently perform the simulated task

will generalize or transfer to the clinical setting, and, if applicable, the student will evaluate related images. Examples of acceptable simulation include: demonstrating CPR on a mannequin, positioning a

fellow student for a projection without actually activating the x-ray beam, and performing venipuncture

by demonstrating aseptic technique on another person, but then inserting the needle into an artificial forearm or grapefruit.

CTC Radiography Clinical Competency Requirements

Requirement: Candidates must demonstrate competence in all 37 procedures identified as mandatory (M). Procedures should be performed on patients; however, up to eight mandatory procedures may be simulated (see previous page) if demonstration on patients is not feasible. Candidates must demonstrate competence in 14 of the 33 elective (E) procedures. Candidates must select one elective procedure from the head section. Candidates must select Barium Enema plus one other elective from the fluoroscopy section. Elective procedures should be performed on patients; however, electives may be simulated if demonstration on patients is not feasible. *(Program policy may supersede these requirements.)** Institutional protocol will determine the positions or projections used for each procedure. Demonstration of competence includes requisition evaluation, patient assessment, room preparation, patient management, equipment operation, technique selection, positioning skills, radiation safety, image processing, and image evaluation.

***Trauma is considered a serious injury or shock to the body. Modifications may include variations in positioning, minimal movement of the body part, etc. Preferably these exams should be performed in an ER or orthopedic setting.

Chest & Thorax	MIN # VIEWS	M or E	PATIENT OR SIM	COMP DATE	GRADE	VERIFIED BY
Chest, routine (2v)	2	M				

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Chest AP (wheelchair or stretcher)	1	M				
Ribs	3	M				
Chest Lateral Decubitus	1	E				
Sternum	2	E				
Upper Airway (soft-tissue neck)	1	E				
SC Joints	2	E				
Upper Extremity						
Finger or Thumb	3	M				
Hand	3	M				
Wrist	3	M				
Forearm	2	M				
Elbow	3	M				
Humerus	2	M				
Shoulder	3	M				
Trauma: shoulder or Humerus (scapula Y, transthoracic, or axillary)*	1	M				
Clavicle	2	M				
Scapula (2 v)	2	E				
AC Joints	2	E				
Trauma Upper Ext: (Nonshoulder)*	2	M				

Lower Extremity	MIN # VIEWS	M or E	PATIENT OR SIM	COMP DATE	GRADE	VERIFIED BY
Foot	3	M				
Ankle	3	M				
Knee	3	M				
Tibia-Fibula	2	M				
Femur	2	M				
Trauma: Lower Ext*	2	M				
Patella	1	E				
Calcaneus (Os Calcis)	2	E				
Toes	2	E				

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Cranium	Must have one of the following electives					
Skull	4	E				
Paranasal Sinuses	3	E				
Facial Bones	3	E				
Orbits	3	E				
TMJ	3	E				
Nasal Bones	2	E				
Mandible (panorex acceptable)	3	E				
Spine & Pelvis						
Cervical Spine	5	M				
Cross-Table Lat. Spine	1	M				
Thoracic Spine	2	M				
Lumbosacral Spine	5	M				
Pelvis	1	M				
Hip	2	M				
X-Table Lat. Hip	1	M				
Sacrum and/ or coccyx	3	E				
Scoliosis Series	2	E				
Sacroiliac Joints	2	E				
Abdomen						
Abdomen Supine (KUB)	1	M				
Abdomen Upright	1	M				
Abdomen Decubitus	1	E				
Intravenous Urography	5	E				
Fluoroscopy Studies	Must have BE and one other fluoroscopic study. Perform per site protocol.					
Upper GI Series (single or double contrast)	**	E				
Barium Enema (single or double contrast)	2	M				
Small Bowel Series	3	E				
Esophagus	**	E				
Cystography / Cystourethrography	2	E				

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ERCP	**	E				
Myelography	2	E				
Arthrography	**	E				
Surgical Studies						
C-Arm Procedure (requiring manipulation to obtain more than one projection)	**	M				
Surgical C-Arm Procedure (requiring manipulation around a sterile field)	**	M				
Mobile Studies						
Chest	1	M				
Abdomen	1	M				
Upper or Lower Ext.	2	M				
Pediatrics	(age 6 or younger)					
Chest Routine (2v)	2	M				
Upper or Lower Ext.	2	E				
Abdomen	1	E				
Mobile Study	1	E				
Geriatrics	(at least 65 years Old and Physically or Cognitively impaired due to aging)					
Chest Routine	1	M				
Upper or Lower Ext.	2	M				
Hip or Spine	1	E				

* Trauma requires modification in positioning due to injury with monitoring of the patient's condition

** Student must set up and maintain the sterile field throughout the procedure as part of the competency.

** During these exams, the physician (or Radiologist) takes his or her own digital spot images. The student must set up the equipment and run it throughout the procedure.

Guideline: Clinical Competency Testing

In accordance with the ARRT examination eligibility requirements, it is the guideline of the Radiography Program that a student successfully complete all required competency evaluations before they are considered to have completed the program of study. The objective of this guideline is to further assure

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that all activities assigned to students are educational and in accordance with radiation safety guidelines **and in support of the program's mission and goals.**

In order for students to satisfy all requirements for program completion, clinical competencies for all required procedures (see *Clinical Competencies & Clinical Checklist*) must be demonstrated by performing procedures in the presence of a staff radiographer. A Clinical Competency Form must be completed at the time of the evaluation. In order for the student to receive the competency, the **student's assigned marker must be used. Failure to do either will invalidate the results of the evaluation.**

Students will only request competency testing after they have satisfied the following criteria:

- a. They have received didactic instruction for the procedure that they are requesting to be evaluated on in RADT 1030, RADT 1060, or RADT 2090.
- b. They have received laboratory instruction and have had an opportunity to practice the procedure in their lab session with the instructor.
- c. Passed the written examination on the particular procedure in RADT 1030, RADT 1060, or RADT 2090 and received remediation for all test items answered incorrectly. Students must be notified of their passing score in the classroom setting before they can "comp". Students not receiving a passing score will be assigned a remedial activity by the course instructor.
- d. They have had the opportunity to observe and progressively participate in performing the procedure during their clinical rotation in the assigned area. Competency testing can only be requested after the student has had an opportunity to perform the examination under the direct supervision of a staff radiographer a sufficient number of times, and at the decision making of the clinical staff technologist and designated clinical instructor.

Recognition of clinical competency for the radiographic procedure performed requires a minimum score of 80% on the competency testing form. Competency testing forms must be completed and signed by **the staff radiographer evaluating the student's performance**. The clinical coordinator will tabulate the competency score once received.

The clinical coordinator will enter the final scores on the clinical competency checklist and review the results with the student radiographer. Students are required to maintain a record of the competencies completed at all times.

No student will perform a clinical examination on a patient under indirect supervision until such time that the above mentioned criteria have been met and the student has successfully completed a clinical competency evaluation and the necessary documentation has been submitted to the clinical coordinator. Violation of this guideline will result in program suspension, pending Judicial Review. (see *Student Supervision guideline*) for unsafe radiation safety practices.

Clinical Performance Objectives and Competency Evaluation Criteria will serve as guidelines and checklists for Category Competency Evaluations.

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The final competency score will be converted into a % score for the purpose of calculating clinical course grades.

Radiographic Anatomy List by Procedure

When performing competency evaluations, the student must be able to identify (but not limited to) the following anatomical structures on the films taken during the procedure.

THORAX

Chest (use also for routine chest, pediatric chest, and wheelchair / stretcher chest)

<input type="checkbox"/> apices	<input type="checkbox"/> T-1
<input type="checkbox"/> hilar region	<input type="checkbox"/> right hemi-diaphragm
<input type="checkbox"/> air-filled trachea	<input type="checkbox"/> 10 th rib
<input type="checkbox"/> clavicle	<input type="checkbox"/> scapula
<input type="checkbox"/> costophrenic angles	<input type="checkbox"/> right main-stem bronchus

Ribs

<input type="checkbox"/> 1 st rib	<input type="checkbox"/> axillary ribs
<input type="checkbox"/> scapula	<input type="checkbox"/> sternum body (oblique projection)
<input type="checkbox"/> costo-transverse articulation 4 th rib	<input type="checkbox"/> intervertebral disk space T-11/T-12
<input type="checkbox"/> costo-vertebral articulation of 3 rd rib	<input type="checkbox"/> Body of L-1

Clavicle

<input type="checkbox"/> Acromioclavicular (AC) joint	<input type="checkbox"/> 1 st rib
<input type="checkbox"/> Sternoclavicular (SC) joint	<input type="checkbox"/> Scapula
<input type="checkbox"/> Acromion process	<input type="checkbox"/> Glenoid process
<input type="checkbox"/> coracoid process	<input type="checkbox"/> Glenoid fossa

Sternum

<input type="checkbox"/> manubrium	<input type="checkbox"/> xiphoid process
<input type="checkbox"/> gladiolus	<input type="checkbox"/> sternal angle

Upper Airway (soft tissue neck)

<input type="checkbox"/> larynx	<input type="checkbox"/> 1 st rib
<input type="checkbox"/> trachea	<input type="checkbox"/> left clavicle (medial portion)

Upper Extremities

To be used for routine examinations and trauma projections

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Finger

<input type="checkbox"/> proximal phalanx of 5 th digit	<input type="checkbox"/> proximal interphalangeal joint 3 rd digit
<input type="checkbox"/> distal interphalangeal joint 2 nd digit	<input type="checkbox"/> 2 nd metacarpo-phalangeal joint
<input type="checkbox"/> distal phalanx 1 st digit	<input type="checkbox"/> 4 th metacarpal

Hand

<input type="checkbox"/> 3 rd metacarpal phalangeal joint	<input type="checkbox"/> distal radius
<input type="checkbox"/> 1 st MP joint	<input type="checkbox"/> 2 nd PIP joint
<input type="checkbox"/> 1 st metacarpal	<input type="checkbox"/> 5 th DIP joint
<input type="checkbox"/> 4 th metacarpal	<input type="checkbox"/> 1 st distal phalanx
<input type="checkbox"/> navicular	<input type="checkbox"/> trapezoid
<input type="checkbox"/> hamate	<input type="checkbox"/> pisiform
<input type="checkbox"/> 2 nd proximal phalanx	<input type="checkbox"/> ulnar styloid process
<input type="checkbox"/> distal ulna	

Wrist

<input type="checkbox"/> hamulus of the hamate bone	<input type="checkbox"/> distal radius
<input type="checkbox"/> scaphoid bone	<input type="checkbox"/> distal ulna
<input type="checkbox"/> pisiform	<input type="checkbox"/> trapezium
<input type="checkbox"/> lunate	<input type="checkbox"/> hamate

Forearm

<input type="checkbox"/> radial head	<input type="checkbox"/> olecranon process
<input type="checkbox"/> shaft of the ulna	<input type="checkbox"/> trochlea
<input type="checkbox"/> ulnar head	<input type="checkbox"/> capitulum
<input type="checkbox"/> styloid process, ulna	<input type="checkbox"/> radial tuberosity

Elbow

<input type="checkbox"/> olecranon process	<input type="checkbox"/> radial head
<input type="checkbox"/> lateral epicondyle	<input type="checkbox"/> medial epicondyle
<input type="checkbox"/> capitulum	<input type="checkbox"/> olecranon fossa
<input type="checkbox"/> radial tuberosity	<input type="checkbox"/> radial head
<input type="checkbox"/> proximal radius	<input type="checkbox"/> coronoid process

Humerus

<input type="checkbox"/> humeral head	<input type="checkbox"/> medial epicondyle
<input type="checkbox"/> greater tubercle	<input type="checkbox"/> olecranon fossa
<input type="checkbox"/> glenoid cavity	<input type="checkbox"/> acromio-clavicular joint
<input type="checkbox"/> acromion	<input type="checkbox"/> anatomical neck
<input type="checkbox"/> humeral shaft	<input type="checkbox"/> surgical neck
<input type="checkbox"/> lateral epicondyle	

Shoulder

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<input type="checkbox"/> sternoclavicular joint	<input type="checkbox"/> lesser tubercle
<input type="checkbox"/> manubrium	<input type="checkbox"/> anatomical neck
<input type="checkbox"/> humeral head	<input type="checkbox"/> surgical neck
<input type="checkbox"/> greater tubercle	<input type="checkbox"/> axillary border of scapula
<input type="checkbox"/> intertubercular groove	<input type="checkbox"/> coracoid process

Lower Extremities

To be used for routine examinations, pediatric, and trauma projections

Foot

<input type="checkbox"/> cuboid	<input type="checkbox"/> 1 st metatarsal
<input type="checkbox"/> calcaneus	<input type="checkbox"/> 3 rd tarsal-metatarsal joint
<input type="checkbox"/> talus	<input type="checkbox"/> IP joint, 1 st digit
<input type="checkbox"/> navicular	<input type="checkbox"/> head of the 1 st metatarsal
<input type="checkbox"/> 1 st cuneiform	<input type="checkbox"/> longitudinal arch

Calcaneus

<input type="checkbox"/> Talocalcaneal joint	<input type="checkbox"/> Navicular
<input type="checkbox"/> tuberosity	<input type="checkbox"/> lateral malleolus
<input type="checkbox"/> lateral process	<input type="checkbox"/> sustentaculi tali

Ankle

<input type="checkbox"/> fibula	<input type="checkbox"/> talus
<input type="checkbox"/> tibia	<input type="checkbox"/> calcaneus
<input type="checkbox"/> mortise joint	<input type="checkbox"/> navicular
<input type="checkbox"/> medial malleolus	
<input type="checkbox"/> lateral malleolus	

Tibia-Fibula (lower Leg)

<input type="checkbox"/> medial condyle, tibia	<input type="checkbox"/> styloid process, fibula
<input type="checkbox"/> diaphysis, tibia	<input type="checkbox"/> lateral tibial condyle
<input type="checkbox"/> medial malleolus	<input type="checkbox"/> medial tibial condyle
<input type="checkbox"/> lateral malleolus	<input type="checkbox"/> tibial tuberosity
<input type="checkbox"/> diaphysis, fibula	<input type="checkbox"/> intercondylar eminences
<input type="checkbox"/> neck, fibula	<input type="checkbox"/> head, fibula

Knee

<input type="checkbox"/> tibial plateau	<input type="checkbox"/> neck, fibula
<input type="checkbox"/> tibial spines	<input type="checkbox"/> lateral epicondyle, femur
<input type="checkbox"/> medial condyle, tibia	<input type="checkbox"/> tibial tuberosity
<input type="checkbox"/> lateral condyle, femur	<input type="checkbox"/> patellofemoral joint
<input type="checkbox"/> apex of the patella (on lateral)	<input type="checkbox"/> popliteal region
<input type="checkbox"/> base of the patella	<input type="checkbox"/> intercondylar fossa
<input type="checkbox"/> styloid process (fibula)	

Patella

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<input type="checkbox"/> base	<input type="checkbox"/> femoral condyles
<input type="checkbox"/> apex	<input type="checkbox"/> tibial plateau
<input type="checkbox"/> patellofemoral joint	

Femur

<input type="checkbox"/> lateral condyle, femur	<input type="checkbox"/> femoral head
<input type="checkbox"/> diaphysis, femur	<input type="checkbox"/> lesser trochanter
<input type="checkbox"/> greater trochanter	<input type="checkbox"/> acetabulum
<input type="checkbox"/> femoral neck	<input type="checkbox"/> ischial spine
<input type="checkbox"/> intertrochanteric crest	

Cranium

To be used for routine examinations, pediatric and trauma projections

Facial Bones

<input type="checkbox"/> mandible	<input type="checkbox"/> sella turcica
<input type="checkbox"/> maxillae	<input type="checkbox"/> zygomatic arch
<input type="checkbox"/> nasal bones	<input type="checkbox"/> petrous ridges
<input type="checkbox"/> orbital roof	<input type="checkbox"/> maxillary sinuses
<input type="checkbox"/> sphenoid, greater wing	<input type="checkbox"/> coronoid process of the mandible
<input type="checkbox"/> mandibular condyles	<input type="checkbox"/> frontal sinuses
<input type="checkbox"/> bony nasal septum	<input type="checkbox"/> anterior nasal spine
<input type="checkbox"/> zygoma bone	<input type="checkbox"/> maxillae, alveolar process

Nasal Bones

<input type="checkbox"/> ethmoid sinuses	<input type="checkbox"/> anterior nasal spine
<input type="checkbox"/> left and right nasal bones (tangential projection)	<input type="checkbox"/> bony nasal septum

Paranasal Sinuses

<input type="checkbox"/> right & left maxillary sinuses	<input type="checkbox"/> temporal bone
<input type="checkbox"/> ethmoid sinuses	<input type="checkbox"/> mastoid air cells
<input type="checkbox"/> frontal sinuses	<input type="checkbox"/> petrous ridges (on PA Axial / Waters)
<input type="checkbox"/> inferior nasal conchae (turbinates)	<input type="checkbox"/> petrous ridges (on AP Axial / Towne)
<input type="checkbox"/> middle nasal conchae (turbinates)	<input type="checkbox"/> dorsum sella (on Towne)
<input type="checkbox"/> sphenoid sinus	<input type="checkbox"/> superior orbital fissure
<input type="checkbox"/> sella turcica	<input type="checkbox"/> mandibular rami
<input type="checkbox"/> sphenoid, greater wing	<input type="checkbox"/> bony nasal septum

Skull Series

<input type="checkbox"/> PA: supraorbital margin	<input type="checkbox"/> Lateral: Frontal bone
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<input type="checkbox"/> PA: ethmoid, crista galli	<input type="checkbox"/> Lateral: Lambdoidal suture
<input type="checkbox"/> PA: sagittal suture (posterior skull)	<input type="checkbox"/> Lateral: Dorsum sella
<input type="checkbox"/> PA: Petrous Ridges	<input type="checkbox"/> Lateral: Sphenoid sinus
<input type="checkbox"/> AP Axial: dorsum sella	<input type="checkbox"/> Lateral: Inion
<input type="checkbox"/> AP Axial: Posterior clinoids	<input type="checkbox"/> Lateral: Frontal bone, orbital plate
<input type="checkbox"/> AP Axial: Occipital bone	<input type="checkbox"/> Lateral: Vertex
<input type="checkbox"/> AP Axial: Parietal bones	<input type="checkbox"/> Lateral: Coronal suture
<input type="checkbox"/> AP Axial: Foramen magnum	<input type="checkbox"/> Lateral: Anterior clinoid processes
<input type="checkbox"/> Lateral: Temporal bone, mastoid portion	<input type="checkbox"/> Lateral: Parietal bone
<input type="checkbox"/> Lateral: Occipital bone	

Spine & Pelvis

To be used for routine & pediatric examinations

Cervical Spine

<input type="checkbox"/> odontoid process on AP open mouth	<input type="checkbox"/> body of C-7 (lateral projection)
<input type="checkbox"/> body of C-2	<input type="checkbox"/> intervertebral disc space between C-4/C-5
<input type="checkbox"/> left zygapophyseal joint	<input type="checkbox"/> pedicle of C-6
<input type="checkbox"/> lateral masses of C-1	<input type="checkbox"/> 1 st rib, left
<input type="checkbox"/> body of C-3	<input type="checkbox"/> vertebral prominens
<input type="checkbox"/> odontoid process on lateral projection	<input type="checkbox"/> 1 st rib, right

Trauma Cervical Spine (cross-table lateral projection)

<input type="checkbox"/> odontoid process	<input type="checkbox"/> zygapophyseal joint between C-4/C-5
<input type="checkbox"/> body of C-2	<input type="checkbox"/> intervertebral disc space between C-3/C-4
<input type="checkbox"/> body of C-7	

Thoracic Spine

<input type="checkbox"/> Body of C-7	<input type="checkbox"/> body of T-7
<input type="checkbox"/> 1 st rib, right	<input type="checkbox"/> body of L-1
<input type="checkbox"/> 9 th posterior rib	<input type="checkbox"/> 11 th costovertebral joint
<input type="checkbox"/> transverse process C-6	<input type="checkbox"/> Lateral: intervertebral foramen T-7/T-8

Lumbosacral Spine

<input type="checkbox"/> Body of L-1	<input type="checkbox"/> AP: Spinous process of L-4
<input type="checkbox"/> Lateral: Inferior vertebral notch of L-3	<input type="checkbox"/> AP: L-1/L-2 Intervertebral disc space
<input type="checkbox"/> Lateral: Spinous process of L-1	<input type="checkbox"/> Oblique: a transverse process
<input type="checkbox"/> Lateral: Superior articular process of L-2	<input type="checkbox"/> Oblique: a superior articular process
<input type="checkbox"/> Lateral: L-5/S-1 intervertebral disc space	<input type="checkbox"/> Oblique: a pedicle
<input type="checkbox"/> Lateral: Inferior articular process of L-3	<input type="checkbox"/> Oblique: a pars interarticularis

Pelvis

<input type="checkbox"/> Iliac crest	<input type="checkbox"/> Acetabulum, right
<input type="checkbox"/> ASIS	<input type="checkbox"/> Femoral neck: left

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<input type="checkbox"/> Ischial tuberosity	<input type="checkbox"/> Greater trochanter, right
<input type="checkbox"/> Symphysis pubis	<input type="checkbox"/> Ala, right ilium
<input type="checkbox"/> Inferior ramus, right pubic bone	<input type="checkbox"/> Superior ramus, left pubic bone

Hip

<input type="checkbox"/> AP: acetabulum	<input type="checkbox"/> Lateral: acetabulum *
<input type="checkbox"/> AP: greater trochanter	<input type="checkbox"/> Lateral: femoral head *
<input type="checkbox"/> AP: femoral neck (surgical)	<input type="checkbox"/> Lateral: femoral neck (surgical) *
<input type="checkbox"/> AP: femoral head	<input type="checkbox"/> Lateral: area of lesser trochanter *
<input type="checkbox"/> AP: intertrochanteric crest	<input type="checkbox"/> Lateral: greater trochanter *

* Also to be used for trauma cross-table lateral

Sacrum / Coccyx

<input type="checkbox"/> AP: sacral foramina	<input type="checkbox"/> Lateral: Sacral promontory
<input type="checkbox"/> AP: Sacroiliac joints	<input type="checkbox"/> Lateral: coccyx (apex)

Abdomen & GI Tract

To be used for routine, trauma & pediatric examinations

Abdomen Supine (KUB)

<input type="checkbox"/> Iliac crests	<input type="checkbox"/> Liver
<input type="checkbox"/> Sacroiliac joints	<input type="checkbox"/> Symphysis pubis
<input type="checkbox"/> 12 th rib	<input type="checkbox"/> Psoas muscles
<input type="checkbox"/> Right kidney	<input type="checkbox"/> Any abnormalities seen
<input type="checkbox"/> Spleen	<input type="checkbox"/> Large bowel gas

Abdomen Erect

<input type="checkbox"/> Anatomy listed above for abdomen supine	<input type="checkbox"/> 11 th rib
<input type="checkbox"/> Left hemi-diaphragm	<input type="checkbox"/> Right hemi-diaphragm

Abdomen Left Lateral Decubitus

<input type="checkbox"/> Intestinal gas	<input type="checkbox"/> Right hemi-diaphragm
<input type="checkbox"/> Free air (if any is demonstrated)	<input type="checkbox"/> Iliac crests

Esophagus Study (may be done as part of an upper GI series)

<input type="checkbox"/> Esophagus, proximal portion	<input type="checkbox"/> aortic arch
<input type="checkbox"/> Cardiac sphincter	<input type="checkbox"/> trachea
<input type="checkbox"/> Esophagus, distal portion	

Upper GI Series (to be used for single or double contrast)

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<input type="checkbox"/> Air in the fundus	<input type="checkbox"/> Pyloric antrum
<input type="checkbox"/> Barium in the fundus	<input type="checkbox"/> Cardiac sphincter
<input type="checkbox"/> Gastric antrum	<input type="checkbox"/> Distal esophagus (if demonstrated)
<input type="checkbox"/> Duodenal bulb	<input type="checkbox"/> Name the position demonstrated on each film
<input type="checkbox"/> Jejunum	<input type="checkbox"/> Area of the ligament of Treitz
<input type="checkbox"/> Rugae	<input type="checkbox"/> C-loop of the duodenum

Small Bowel Series

<input type="checkbox"/> Duodenum	<input type="checkbox"/> Cecum
<input type="checkbox"/> Jejunum	<input type="checkbox"/> Ileocecal valve
<input type="checkbox"/> Ileum	

Barium Enema (to be used for single or double contrast)

<input type="checkbox"/> Right colic flexure	<input type="checkbox"/> Sigmoid
<input type="checkbox"/> Splenic flexure	<input type="checkbox"/> Rectum
<input type="checkbox"/> Transverse colon	<input type="checkbox"/> Appendix (if demonstrated)
<input type="checkbox"/> Ascending colon	<input type="checkbox"/> Haustra
<input type="checkbox"/> Cecum	<input type="checkbox"/> Diverticulum (if any demonstrated)
<input type="checkbox"/> Descending colon	<input type="checkbox"/> Name the position demonstrated on each film

Urological

To be used for adult and pediatric examinations

Intravenous Urogram

<input type="checkbox"/> Right renal pelvis	<input type="checkbox"/> Area of possible stone (if demonstrated)
<input type="checkbox"/> Left proximal ureter	<input type="checkbox"/> Left distal ureter
<input type="checkbox"/> Left kidney, upper pole	<input type="checkbox"/> Minor calyces
<input type="checkbox"/> Right kidney, lower pole	<input type="checkbox"/> Right ureteropelvic junction
<input type="checkbox"/> Major calyces	<input type="checkbox"/> Right renal parenchyma
<input type="checkbox"/> Urinary bladder	

Retrograde Urography

<input type="checkbox"/> Right renal pelvis	<input type="checkbox"/> Area of possible stone (if demonstrated)
<input type="checkbox"/> Left proximal ureter	<input type="checkbox"/> Left distal ureter
<input type="checkbox"/> Urinary bladder	<input type="checkbox"/> Right ureteropelvic junction

Mobile Procedures

To be used for adult and pediatric examinations

Portable Chest

<input type="checkbox"/> Apices	<input type="checkbox"/> Aortic knob
<input type="checkbox"/> Hilar region	<input type="checkbox"/> Trachea
<input type="checkbox"/> Right hemi-diaphragm	<input type="checkbox"/> Right main stem bronchus
<input type="checkbox"/> Left hemi-diaphragm	<input type="checkbox"/> Right scapula
<input type="checkbox"/> Cardiac shadow	<input type="checkbox"/> Costophrenic angles

Portable Abdomen

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Use the structures listed above for KUB or Left Lateral Decubitus, depending on the projection(s) performed.

Portable Orthopedics

Use the structures listed above for the specific mobile examination performed.

Guideline: Repeat Radiographic Exposures

In order to ensure that appropriate radiation protection practices are observed, in the event a radiograph needs to be repeated for any reason, it must be done only under the direct supervision of a general radiographer, regardless of a completed competency evaluation on the specific procedure. This guideline must be adhered to at all times in order to maintain patient and student radiation doses to an absolute minimal level. This guideline will be enforced all areas of clinical rotation.

Procedure:

In the event a radiographic image must be repeated for any reason:

1. The student radiographer must review the film with the supervising technologist.
2. The supervising technologist must accompany the student radiographer into the radiographic room to directly supervise the student during the repeat exposure (*see Direct Supervision under the Student Supervision Guideline*).
3. Disciplinary action will result if this guideline is not observed which will include program suspension, pending Judicial Review.

Guideline: Clinical Performance Evaluation

It is the guideline of the Radiography Program that all student radiographers be evaluated with regard to clinical performance at the conclusion of each assigned rotation. At the end of the clinical rotation **assignment, a “Clinical Evaluation” form will be given to the designated clinical instructor for each student.** The clinical instructor will either complete the evaluation or designate a staff technologist working with the student most often to complete the form.

Procedure:

At the completion of each rotation assignment:

1. The student will forward a Clinical Evaluation form to the designated site clinical instructor during the final week of each clinical rotation period.
2. The clinical instructor will complete the evaluation or forward it to the staff technologist(s) working with the individual student during a majority of the rotation.

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3. Upon completion, the evaluation will be submitted to the clinical coordinator via fax, email, or sealed envelope for review and scoring within one week of rotation completion.
4. An additional Professional Ethics and Attitude Evaluation will be completed by the designated site clinical instructor for each student at the completion of each clinical rotation.
5. The clinical coordinator will meet with each student to review the evaluation and the student will sign acknowledging they have had an opportunity to discuss the contents.
6. Clinical evaluations will be maintained in each student's clinical file in the school office. A student may request an additional conference (in writing) to review clinical evaluations with the clinical coordinator.

*Students are not to sign rotation evaluations before they are filled out. Doing so indicates that they agree with the score and the comments from the evaluating technologist.

Clinical evaluation scores will be used to calculate the clinical course grade for each semester. Additional evaluations will be required at the determination of the clinical coordinator if areas for significant improvement are identified by the clinical staff.

Guideline: Terminal Competency Evaluations

Rationale:

To assess competency over time, above and beyond initial competency.

Description:

Terminal Competency Evaluations will be performed and successfully completed by all senior students during the fourth and/or fifth semesters of RADT enrollment. The terminal competency system will be comprised of two portions: a written examination and a practical (exam simulation performance-testing) portion.

At the end of the fourth semester, a formal written examination consisting of 200 multiple choice, registry-caliber questions will be administered. The questions will encompass all aspects of the program and radiographic anatomy for any procedures found on the ARRT competency list. The written examination will be administered to all senior students simultaneously during a scheduled, three-hour block of time. The minimum passing score for the written portion is 75%. Students must pass the exam in order to graduate from the program.

The performance-testing (practical) portion will be simulated. Each student will randomly select 3 of the examinations selected by the program faculty from the published ARRT Clinical Competency requirements list, and will be required to complete a simulation for each exam selected. The minimum passing score for the practical portion of each competency evaluation will be 80%. The final component of performance testing will consist of identification of radiographic anatomy. All three simulations will be performed during the fourth semester. Students will be scheduled in advance. If any student scores less than the required 80% they will be required to repeat the exam during the fourth semester. Students will perform the exam until they receive a passing score.

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Both the Program Director and Clinical Coordinator will perform the evaluation of the performance-testing (practical) portion of each examination simultaneously (excluding extenuating circumstances in which case another member of the radiography program, part time faculty, will fill in for the program director or clinical coordinator). The scores assigned by each will then be averaged together to determine the final score for each practical performed.

Each student must complete all 3 terminal competencies with a final score of 80% or higher by the end of the fifth semester. Failure to do so will result in ineligibility for the ARRT examination, as the Program Director will be unable to certify program completion. Each student will also be required to take the written portion with a final score of 75% or higher by the end of the fourth semester in order to complete the program.

Assessment Instrument:

For the performance-testing portion of terminal competencies, the program competency form will be utilized (Technical Skills and Affective Involvement sections only).

Additional Considerations:

- ❑ Once the practical portion of a terminal competency examination is completed, the student will be notified individually of the score within two weeks.

Guideline: Radiation Safety

It is the guideline of the Radiography Program to comply with all institution, state and federal radiation safety guidelines and policies. Student radiographers will be operating radiation-producing equipment only as part of their training under the supervision of a qualified general radiographer during regularly scheduled clinical rotation hours.

No patient shall be exposed to ionizing radiation except for those procedures authorized by a physician. Exposure of any individual to ionizing radiation solely for educational purposes will not be permitted, and will result in immediate program suspension, pending Judicial Review, for unsafe radiation practices.

Only equipment in good mechanical and electrical condition will be utilized. All radiation-producing equipment is inspected regularly and certified safe for utilization. **The program's radiation protection policies and practices reflect adherence to the ALARA Principle, which is to limit radiation exposure to a level that is "As Low As Reasonably Achievable". This principle applies to patients, the public, hospital staff, and the student operating radiation-producing equipment.** Each of these categories will be addressed relative to program guideline.

Patient Protection

Only x-ray systems with clearly indicated technique charts and reproducible exposures will be used on patients. The radiation exposure to the patient shall be the minimum required to produce images of appropriate diagnostic quality. The speed of film-screen combinations (or digital image receptors) shall be the fastest speed consistent with departmental requirements and radiologist preference.

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The size of the primary beam shall never be larger than the image receptor employed during a radiographic exposure. Proper collimation must be employed at all times to restrict the primary beam only to the specific area of interest.

Gonadal shields of not less than 0.25 mm lead shall be regularly employed for all patients of reproductive age (approximately age 12 to 50 for female patients) during radiographic procedures in which the gonads are in or near the primary beam and not of clinical interest, except for cases in which this would interfere with the radiographic images.

All female patients of childbearing age shall be asked, prior to exposure to x-rays, if they are pregnant or suspect they may be. If suspected or confirmed, a supervisor must be notified prior to the commencement of any radiographic procedures. In cases where known pregnant patients must be radiographed, every effort should be taken to maintain the lowest radiation dose possible to the fetus. This will include precise positioning, collimation and lead shielding whenever possible.

Immobilization devices shall be employed when necessary to prevent the need for repeat exposures due **to patient motion. The patient's family, with the exception of pregnant females, will be allowed in the** radiographic room only under special circumstances. These individuals must be provided with protective apparel and instructed on radiation protection practices prior to any radiographic exposure.

Effective communication will be utilized to ensure patient cooperation with positioning and procedural needs, thus reducing the possibility of repeat radiographic exposures.

Radiographs will only be repeated in the presence of a qualified, general radiographer in accordance with program supervision policies (*see repeat radiograph guideline*).

Student Radiation Protection

Whenever possible, students assisting in radiographic procedures must remain behind protective barriers. Students who may be exposed to scattered radiation during fluoroscopic studies will be provided with lead-impregnated protective apparel of not less than 0.25 mm Pb equivalence. In addition to a lead apron, a thyroid shield may also be provided (if available). During radiographic procedures, all students shall be positioned such that the primary beam will not strike any part of their body.

Whenever a patient or film must be held in place during an exposure, mechanical devices must be employed. Student radiographers shall never be used for the purpose of holding patients or films during exposures.

Portable radiographic equipment shall be provided with an exposure switch cable that will permit the student to make an exposure at a distance of at least 6 feet from the tube head and from the patient. Regardless of the distance from the tube and patient during portable examinations, a lead apron must be worn. No exceptions to this guideline will be made.

Pregnant students are encouraged to notify the program director in writing if a pregnancy is suspected or confirmed. (*Please refer to the declared pregnant student radiographer guideline for additional information.*)

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All student radiographers will be issued one dosimeter in the form of a Dosimeter.

- a. The Dosimeter will be worn at the collar level
- b. When a lead apron is worn, the Dosimeter must be located on the outside of the apron during exposures.
- c. Dosimeter reports will be made available to students for inspection indicating that they have had an opportunity to inspect the readings. Reports will be posted in the classroom. No personal information will **be posted on the readout other than the student's name.**
- d. Students receiving radiation exposures greater than 20 mrem will be counseled by either the program director or clinical coordinator as to the source of exposure and a review of basic radiation protection principles relative to their areas of assignment.
- e. The Radiation Safety Officer (RSO) or designee will also review radiation exposure reports on a monthly basis.
- f. Student exposure records are maintained indefinitely by the program director.
- g. In the event a Dosimeter is lost or damaged, the clinical coordinator must be notified immediately. Students will be responsible for the cost of replacement, if applicable.

Other Hospital Staff

During portable examinations on patient floors, intensive care units and other areas of the hospital, the student radiographer must be aware of other hospital staff at all times. The student radiographer must announce that an x-ray exposure is about to be made in an effort to allow hospital staff and nurses an opportunity to increase their distance from the immediate area.

Those staff members not permitted to leave the immediate area (less than 6.5 feet from the patient being radiographed) must be provided protective apparel or a portable shield for protection during the exposure. Failure to comply with this guideline will result in expulsion from the program for failure to exercise proper radiation safety practices.

FDA Guidelines on Radiation Safety

TITLE 21--FOOD AND DRUGS CHAPTER I--FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES SUBCHAPTER J--RADIOLOGICAL HEALTH

PART 1000 -- GENERAL

<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=1000.50>

Subpart C--Radiation Protection Recommendations

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Sec. 1000.50 Recommendation for the use of specific area gonad shielding on patients during medical diagnostic x-ray procedures.

Specific area gonad shielding covers an area slightly larger than the region of the gonads. It may therefore be used without interfering with the objectives of the examination to protect the germinal tissue of patients from radiation exposure that may cause genetic mutations during many medical x-ray procedures in which the gonads lie within or are in close proximity to the x-ray field. Such shielding should be provided when the following conditions exist:

(a) The gonads will lie within the primary x-ray field, or within close proximity (about 5 centimeters), despite proper beam limitation. Except as provided in paragraph (b) or (c) of this section:

(1) Specific area testicular shielding should always be used during those examinations in which the testes usually are in the primary x-ray field, such as examinations of the pelvis, hip, and upper femur;

(2) Specific area testicular shielding may also be warranted during other examinations of the abdominal region in which the testes may lie within or in close proximity to the primary x-ray field, depending upon the size of the patient and the examination techniques and equipment employed. Some examples of these are: Abdominal, lumbar spine and lumbosacral spine examinations, intravenous pyelograms, and abdominal scout film for barium enemas and upper GI series. Each x-ray facility should evaluate its procedures, techniques, and equipment and compile a list of such examinations for which specific area testicular shielding should be routinely considered for use. As a basis for judgment, specific area testicular shielding should be considered for all examinations of male patients in which the pubic symphysis will be visualized on the film;

(3) Specific area gonad shielding should never be used as a substitute for careful patient positioning, the use of correct technique factors and film processing, or proper beam limitation (confinement of the x-ray field to the area of diagnostic interest), because this could result in unnecessary doses to other sensitive tissues and could adversely affect the quality of the radiograph; and

(4) Specific area gonad shielding should provide attenuation of x-rays at least equivalent to that afforded by 0.25 millimeter of lead.

(b) The clinical objectives of the examination will not be compromised.

(1) Specific area testicular shielding usually does not obscure needed information except in a few cases such as oblique views of the hip, retrograde urethrograms and voiding cystourethrograms, visualization of the rectum and, occasionally, the pubic symphysis. Consequently, specific area testicular shielding should be considered for use in the majority of x-ray examinations of male patients in which the testes will lie within the primary beam or within 5 centimeters of its edge. It is not always possible to position shields on male patients so that no bone is obscured. Therefore, if all bone structure of the pelvic area must be visualized for a particular patient, the use of shielding should be carefully evaluated. The decision concerning the applicability of shielding for an individual patient is dependent upon consideration of the patient's unique anthropometric characteristics and the diagnostic information needs of the examination.

(2) The use of specific area ovarian shielding is frequently impractical at present because the exact location of the ovaries is difficult to estimate, and the shield may obscure visualization of portions of adjacent

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structures such as the spine, ureters, and small and large bowels. However, it may be possible for practitioners to use specific area ovarian shielding during selected views in some examinations.

(c) The patient has a reasonable reproductive potential.

(1) Specific area shielding need not be used on patients who cannot or are not likely to have children in the future.

(2) The following table of statistical data regarding the average number of children expected by potential parents in various age categories during their remaining lifetimes is provided for x-ray facilities that wish to use it as a basis for judging reproductive potential:

Expected Number of Future Children Versus Age of Potential Parent ¹

Age	Male parent	Female parent
Fetus	2.6	2.6
0 to 4	2.6	2.5
5 to 9	2.7	2.5
10 to 14	2.7	2.6
15 to 19	2.7	2.6
20 to 24	2.6	2.2
25 to 29	2.0	1.4
30 to 34	1.1	.6
35 to 39	.5	.2
40 to 44	.2	.04
45 to 49	.07	0
50 to 54	.03	0
55 to 64	.01	0
Over 65	0	0

Guideline: Pregnancy and Voluntary Disclosure

Purpose:

To provide the pregnant radiologic technology student with necessary protection in accordance with all standards and regulations while assuring the performing assigned clinical tasks throughout the pregnancy.

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Guideline:

It is the guideline of the Radiography Program to comply with all federal and state regulations regarding disclosure of pregnancy by student radiographers and to protect the unborn child from radiation exposure.

If a female student becomes pregnant (or suspects she may be pregnant), it is recommended that she notify the program director immediately in writing. Disclosure of pregnancy status is voluntary. Every effort will be made to protect the health of the student and developing fetus. Furthermore, all students will be made aware of this guideline during program information and new student orientation sessions.

In addition, other student schedules will neither be modified to accommodate the declared pregnant student nor to fill any voids in the assignment schedule should modification be necessary.

Following voluntary disclosure of pregnancy, the program officials will meet with the student and develop a plan of action for completing all missed clinical assignments (if any modifications are deemed necessary) in order to ensure equitable learning opportunities and the ability to complete all necessary competency requirements.

Procedure:

1. If the student chooses to disclose, the notification must be in writing and will include the estimated date of conception and projected due date (a form is attached for convenience purposes).
2. The program director will immediately notify the RSO to coordinate a safe environment for the **developing fetus relative to the student's clinical activities**. **At no time will a pregnant student be** permitted to perform clinical activities deemed unsuitable by her physician. The determination of her ability to engage in didactic and clinical education will ultimately be determined by her physician. Input from the program director, clinical coordinator, and RSO should also be considered.
3. If a pregnant student radiographer is able to continue on with the clinical portion of the program, she will be provided a second fetal dosimeter to be worn at waist level. The student is responsible for the cost of the additional monitoring badge and service.
4. Following written documentation from her physician that she is permitted to continue clinical activities, the student will meet with the program director and clinical coordinator to discuss educational options. Options include, but are not limited to, the following:
 - a. Continue on with the didactic portion of the program and take a leave-of-absence for delivery, with continuation of the clinical portion of the program following delivery and medical clearance.
 - b. Continue on with the didactic and clinical education portions of the program, but with an altered rotation schedule so as to ensure the lowest possible radiation dose to the developing fetus, as scheduled by the clinical coordinator.
 - c. Continuation in both the didactic and clinical portions of the program without altering clinical rotation schedules.
 - d. Program officials will closely monitor both student and fetal exposures. Any radiation exposure shown on monitoring reports will result in a conference between the student,

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program director, and clinical coordinator to re-evaluate continuation with clinical activities relative to the risk of radiation exposure.

5. Following delivery, the student will be assigned to missed clinical areas in order to ensure completion of all necessary competency evaluations and equitable learning opportunities (*see also LOA Guideline*).

Additional Guidelines will be followed:

- ❑ The fetal badge must be worn at all times while in the clinical rotation areas.
 - ❑ Pregnant students will not lift heavy objects, patients, or move heavy equipment.
 - ❑ During all x-ray exposures, the pregnant student must remain behind fixed protective barriers.
 - ❑ At no time will the student hold a patient during exposure.
 - ❑ No declared pregnant student radiographer will be terminated from the program or forced to take a leave of absence (unless specifically ordered to do so by her physician).
 - ❑ The ultimate decision on what educational option to be taken will be made by the student and will depend primarily on physician recommendation, remaining length of the pregnancy, remaining program length, and input from the program director, clinical coordinator, and RSO.
 - ❑ **The Obstetrician's recommendations will be followed in all cases.**
 - ❑ Time missed from the program must be made up in terms of clinical hours before certification of graduation will be awarded. Make-up hours will be completed in the specific rotation area(s) missed (*see clinical make-up guideline*).
6. Upon completion of a leave of absence, the student will be allowed to resume her studies without prejudice. Regardless of the educational option the student radiographer chooses, all academic and clinical standards must be met; including attendance requirements (*see also attendance guideline*).
 7. In accordance with the Nuclear Regulatory Commission (NRC) guidelines, any declared pregnant **student may "undeclared" her pregnancy at any time. In order to "undeclare" pregnancy, the student must submit a written statement to the program director (a form is attached for convenience).**

Program Responsibilities:

1. The program shall coordinate a safe working environment for the pregnant worker.
2. The RSO shall be advised of any declared pregnant students and shall pay special attention to **the student's monthly radiation reports**.
3. The program director and / or clinical coordinator shall review with the student:
 - ❑ The nature of potential radiation injury associated with *in utero* exposure
 - ❑ The regulatory limits established by the NCRP

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- ❑ The State of Georgia Rules and Regulations, Prenatal Guide
- ❑ The NRC regulatory guide 8.13
- ❑ The required measures to be taken throughout the term of the pregnancy

Student Responsibilities:

1. Strictly adhere to all safety precautions for protection purposes. Any breach of these policies will be met with corrective action.
2. Continue in designated enrollment status (pending physician approval) performing normal duties. By the use of established protective measures, the student should be able to perform normal duties throughout the pregnancy without fear of excessive radiation exposure to the unborn child.
3. Wear two radiation monitoring devices, one placed on the collar and one at waist level (designated as fetal) which is centered over the abdomen for fetal monitoring. Readings will be closely monitored by program officials.
4. Immediately report to the program director and / or clinical coordinator when the pregnant student feels that she is working in an unsafe area or under conditions that may be detrimental to herself or the unborn child.
5. If breastfeeding is required during scheduled class/clinic hours, the student must work out an acceptable schedule with both the didactic and clinical instructors.

Definitions:

- ❑ *NCRP*: National Council on Radiation Protection
- ❑ *Patient*: all inpatients, outpatients, and clients

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Radiography Program
Student Voluntary Pregnancy Declaration Form

Student Name: _____ Date of Declaration: _____

In accordance with current State regulations, I _____ wish to voluntarily declare that I am pregnant.

- ☐ My estimated date of conception is: _____
- ☐ My estimated expected due date is: _____

In making this declaration, I wish to be afforded the protection that is specified under this regulation, specifically that the unborn child shall not receive in excess of 500 millirem (0.5 rem or 5mSv) during the term of the pregnancy. I am also aware **of the Radiography Program's guideline on pregnancy and will** abide by all rules and regulations presented in this guideline.

Student Signature: _____

Social Security Number: _____

Acknowledgement of Receipt of Declaration:

Program Director Signature: _____ date of receipt

Clinical Coordinator Signature: _____ date of receipt

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Note: the student will receive a copy of this declaration once all signatures are obtained. The original will be maintained in the **student's administrative file**.



Radiography Program
Withdrawal of Declaration of Pregnancy

I, _____, wish to withdraw my declaration of pregnancy. I understand that the lower dose limit for the embryo / fetus will no longer be applicable and that the additional embryo / fetus monitoring device will no longer be provided.

If pregnant, but formally withdrawing declaration of pregnancy, I hereby release the Radiography Program and clinical rotation facility of any responsibility for embryo / fetal exposure.

Student Signature:

date

Acknowledgement of Receipt of Withdrawal of Pregnancy Declaration:

Program Director Signature:

date of receipt

Clinical Coordinator Signature:

date of receipt

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Note: the student will receive a copy of this declaration once all signatures are obtained. The original **will be maintained in the student's administrative file**

Guideline: Hospital Equipment & Supplies

Hospital equipment and supplies are to be used only for the purpose intended. Students are not permitted to remove any hospital equipment or supplies from the hospital premises. Students in violation of this guideline are subject to disciplinary action up to and including, program suspension, pending Judicial Review, and possible criminal prosecution.

Hospital equipment and supplies should be cleaned and returned to the proper location following completion of each radiographic procedure.

Guideline: Telephone Calls

No personal calls will be made or received in the clinical areas by students. Any and all personal **telephone calls must be made during the student's lunch break. The school office will relay telephone** messages of an emergency nature to students. Disciplinary action for guideline violation includes program suspension, pending Judicial Review, for repeat offenses.

Guideline: Holding of Patients

Students may not hold patients during still radiographic exposures. However, students may assist the patient during fluoroscopic procedures as long as no body part of the student is in the primary beam, and appropriate radiation protection is used by the student. Violation of this guideline will result in appropriate disciplinary actions including, but not limited to, a reduction in the clinical grade, and program suspension, pending Judicial Review, for unsafe radiation protection practices. (*see also Student Radiation Protection and Safety Guideline*).

Guideline: Mammography Education

It is the guideline of the radiography program to provide equitable learning opportunities to members of both genders. The community standard discourages male radiographers from performing mammography examinations. The program recognizes its obligation to provide appropriate education relative to mammography to all students.

To accomplish this, an overview of the technical and positioning aspects of mammography will be included in the appropriate didactic course(s). All students will be tested relative to this instruction. The program will not utilize mammography areas for clinical rotation assignments.

Guideline: JRCERT Complaint Resolution

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Guideline:

In accordance with Joint Review Committee on Education in Radiologic Technology (JRCERT) guideline, the Radiography Program must meet or exceed the Standards for an Accredited Educational Program in the Radiologic Sciences. A copy of these Standards will be distributed at new student orientation sessions, and posted in the classroom.

If a student wishes to review the Standards with the program director in more detail, a written request should be submitted and a meeting will be scheduled for review of the Standards.

It is the guideline of the program to maintain an educational program in full compliance with JRCERT Standards. The program has been created using the Standards as the model for all aspects of program design. In the event the program receives a complaint or allegation relative to non-compliance with the JRCERT Standards, the faculty and administration of the program recognize their responsibility to initiate corrective measures to remain in compliance as soon as possible following notification.

Procedure:

Following receipt of a JRCERT complaint of non-compliance, the following actions shall be taken:

1. If the area of concern can be addressed by the program director, appropriate corrective action will be initiated with necessary administrative assistance as required.
2. In the event corrective action requires administrative or institutional intervention, appropriate corrective action will be promptly initiated.
3. It is the guideline of this program to solicit input from advisory committee members whenever possible during the formulation of a corrective action plan. An emergency advisory committee meeting will be scheduled to discuss the allegation, available resources, and design of appropriate corrective action plans.

JRCERT Contact Information:

<http://www.jrcert.org/> 20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-3182
Phone: (312) 704-5300

Guideline: RADT 2360 (Clinical IV) & ARRT Requirements

It is the guideline and the responsibility of the Radiography Program to document that each student applying to take the ARRT Examination for Radiography has completed each and every one of the procedural and general patient care competencies required by the ARRT. The complete listing and additional information can be found at www.arrt.org

The program director must sign each ARRT application. Unless all clinical competency requirements are met, the director will not sign a student's application, as doing so would constitute fraud and would be cause for revocation of his or her own ARRT certification. A completed form for each procedural and

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patient care competency must be on file in the student's clinical file, located in the clinical coordinator's office. Students may review their clinical files at any time, provided they have scheduled an appointment in advance with the clinical coordinator.

It is the responsibility of each student to be assertive in order to obtain the necessary competency evaluations. Although each semester a minimum number is specified on each clinical syllabus, just meeting the minimum will not be enough to complete all that are required by the ARRT.

Students completing all procedural and general patient care competencies will submit an ARRT application to the clinical coordinator. The clinical coordinator will conduct a thorough audit of the **student's file (this generally takes one week)**. **Once all necessary paperwork is verified, the application** is forwarded to the program director for signature. A copy of the signed application will be maintained in **the student's permanent administrative file**.

Students owing hours:

- ❑ According to ARRT requirements, students must successfully complete their program of study. If a student fails to complete all required clinical hours, they have not completed their program of study and, therefore are not considered eligible to take the ARRT Examination. Final certification is completed by the program director before the ARRT will release scores.

Students not completing all competencies:

- ❑ For each student applying to take the ARRT Examination, all competencies specified by the ARRT must be complete and on file by the end of the program (fall semester).
- ❑ If a student has not completed all competency requirements, after making appropriate arrangements **with the program director and clinical coordinator, they will be assigned a course grade of "I" for RADT 2360** (see incomplete grade guideline).
- ❑ The student will then be required to complete additional clinical hours until such time that all competency requirements are met. The clinical coordinator will schedule specific times, days, and areas of rotation.
- ❑ In the event that all clinical competency requirements are not met by the end of the 4th week of the **following semester, a letter grade of "F" will be assigned for RADT 2360, as outlined in the** Chattahoochee Technical College catalog, and student handbook. This would render a student ineligible for ARRT examination, as they would not have successfully completed their program of study.

Guideline: Disruptive Clinical Behavior

It is the guideline of the radiography program to ensure the integrity of the learning environment and to take necessary action to make sure an appropriate environment conducive to learning is maintained at all times. Behavior that either directly or indirectly impacts the smooth operation within a clinical department will not be tolerated.

Immediate program suspension, pending Judicial Review, will result in the event:

1. A department requests that a student be removed for disruptive behavior. Or

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2. A department requests that a student not return as a result of disruptive behavior. Or
3. A patient lodges a complaint for the way a student treated them. Or
4. Grossly negligent behavior that, in any way, jeopardizes the safety of a patient. Or
5. A clinical site submits a request to discontinue their affiliation with the college as a direct result of a **student's behavior**. Or
6. Any other behaviors that adversely impact the day-to-day operation of a department or patient care; intimidates or harasses another student, technologist, or department staff member.

Any/All issues that occur at/during clinical will be considered an “academic irregularity” and will be resolved through the grade appeal procedure.

A suspended student has the right to due process, as outlined in the **program's Due Process Guideline**, which will also include a full investigation and hearing. In the event the suspension is upheld, the student will be required to make up any clinical hours missed during the suspension in addition to all academic assignments. Depending on the severity of the offense, the student may not be allowed to continue in the program.

Furthermore, the Chattahoochee Technical College catalog outlines the appropriate “Student Code of Conduct”. The full catalog may be viewed online at www.chattahoocheetech.edu or a printed version may be obtained from the Admissions Office. The program also has a program specific “Code of Conduct” that the students are responsible to adhere to. Both can be found in this handbook.

Inappropriate behavior will not be tolerated and appropriate action will be taken to ensure patient safety, the integrity of the program, and the preservation of clinical affiliation agreements.

Guideline: Clinical Paperwork Submission

In order to assure timely processing of all clinical paperwork, the following guideline guidelines have been adopted.

Rotation Evaluations

The first clinical rotation evaluation must be submitted no later than two weeks after the first rotation ends. **Students will no longer be allowed to “hold onto” the evaluations.** If the first rotation evaluation is not turned in within that 2-week period, the student will receive a zero. Students will also be required to turn in the second, and final clinical rotation evaluation the day of clinical paperwork submission at the end of the semester.

Clinical Competencies

Students are required to turn in to the clinical coordinator any and all clinical competencies within two weeks of completion. Students will **no longer be allowed to “hold onto” the competencies for any length of time.** If the competency is not turned in within the 2-week period, the student will not receive credit for it. This will allow sufficient time to obtain all necessary signatures and for the student to make a copy for their own records.

Guideline: Unapproved “After Hours” Clinical Practice

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Students are not allowed, under any circumstances, to go to any clinical facility, use the clinical facilities radiographic equipment and “practice” positioning. Students are also not allowed to go in early or “stay over” their scheduled clinical hours in order to practice. This poses a liability for the college as well as the clinical site, for instance, if a student were to become injured, or break the radiographic equipment.

Guideline: Student Exposure to Confirmed TB Patients

It is the guideline of the Chattahoochee Technical College radiography program to prohibit students from performing or assisting in exposures made on patients who have a potential status of positive tuberculosis. Based on limited resources and the lack of trained personnel, students will not be fitted for N95 masks while in the program, therefore, they will be prohibited from these types of exams.

RADT 1320 (Clinic I), Operating Room, and Advanced Modality Rotation Objectives

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Radiography Program

GENERAL ROOM ROTATION OBJECTIVES
(for use during RADT 1320)

By the completion of this rotation assignment, the student should be able to (on a particular piece of equipment):

1. Locate and accurately manipulate the kVp setting.
2. Locate and accurately manipulate the mAs setting.
3. Identify the phototiming chambers.
4. Identify the rotor switch and discuss its proper use.
5. Describe the difference between rotor and exposure.
6. Manipulate table controls to move the tabletop laterally and superior-to - inferior.
7. Describe and demonstrate the controls for inclining the table and identify the method for ascertaining the degree of incline.
8. Demonstrate the proper method for removing and replacing the footrest, and checking the security of its attachment.
9. Locate and properly open and close the bucky tray, while locking a cassette into position for exposure.
10. Identify the collimator controls and accurately manipulate them to produce fields of varying sizes.
11. Center the tube to the bucky (detent controls) for table and upright exposures.
12. Demonstrate the proper method for adjusting SID for table and upright bucky exposures.

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Radiography Program

**PATIENT TRANSPORT* ROTATION OBJECTIVES
(RADT 1320 - Clinic I)**

By the completion of this rotation assignment, the student should be able to:

1. Given a patient transport request, the student can locate the patient room on the floor.
2. Given a specific patient for transport, the student is able to locate and obtain the correct patient chart.
3. Properly sign the patient out from the nursing station (or notify the appropriate nurse if a formal log is not kept)
4. Safely assist the patient from bed to wheelchair.
5. Safely and efficiently assist the patient back into the bed.
6. Safely transfer the patient from bed to stretcher with assistance as necessary.
7. Safely and efficiently transfer a stretcher patient back into the bed with assistance as necessary.
8. Safely and efficiently transport patients (both stretcher and wheelchair) to the Radiology Department.
9. Upon completion of the necessary procedure, the student is able to safely and efficiently return the patient to their room.

Upon return to the floor, the student is able to sign the patient in (or notify the appropriate nurse while returning the patient chart to the appropriate location).

*Per program guideline, students are NOT allowed to transport patients without direct supervision.

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Radiography Program

MAGNETIC RESONANCE IMAGING (observation only) ROTATION OBJECTIVES

By the completion of this rotation assignment, the student should be able to:

1. List and discuss the patient contraindications for MRI procedures.
2. Describe the patient history information unique to MRI scanning.
3. Explain necessary patient preparations for MRI scans including the need to disrobe.
4. Identify the main components of an MRI scanner.
5. Discuss the role of MRI in the diagnostic process.
6. List the differences between CT and MRI scanning.
7. Identify the basic principles of MRI scanning.

Describe safety precautions unique to an MRI department.

MRI Safety Screening

Each individual must be checked for safety or pre-screened prior to entering the magnetic environment of the scan room. A standardized form is used for evaluating the safety of an individual **BEFORE** that individual is permitted within the magnetic environment. CTC will perform pre-screening (Student MRI History & Screening Form) at the school and watch a MRI safety video before a student is allowed to rotate through MRI. If there are any contraindications found, such as pacemaker, aneurysm clip, or any surgical implanted devices, the student will **NOT** be allowed to rotate through the MRI department for clinical experience. (The questionnaire is available for all students to fill out and sign at the beginning of the program when the MRI Safety Review is conducted)

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Radiography Program
Clinical Rotation Objectives
OPERATING ROOM

Objectives:

By the completion of this rotation assignment, the student should be able to:

General Orientation

1. Identify the location of the master board of OR cases.
2. Explain how cases are tracked on the master board, and when x-ray cases are scheduled to begin.
3. Locate the appropriate location for cassettes, grids, and the cassette stand.
4. Identify the location of the OR darkroom.

Equipment

1. Identify the proper location for portable radiographic machine storage when not in use.
2. State the proper location for C-Arm storage when not in use.
3. Move the C-Arm from room to room without damaging other equipment or contaminating a sterile field.
4. Accurately manipulate the C-Arm from superior to inferior.
5. Accurately manipulate the C-Arm laterally.
6. Correctly demonstrate the method for entering new patient information into the C-Arm prior to starting a procedure.

Radiation Protection

1. Locate the proper location for storage of lead aprons, mobile shields, and thyroid shields when not in use.
2. Follow the proper procedure for ensuring others in an OR room are shielded before exposing.
3. Demonstrate proper lead apron storage and care to prevent damage to the lead.
4. Describe and demonstrate proper techniques for avoiding sterile field contamination.

Procedures

1. Observe and gradually participate in surgical procedures requiring x-ray.
2. Assist the surgical technician in placing a sterile C-Arm cover over the machine without contamination.

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3. Describe the protocol for obtaining a “STAT” or “Wet reading” for an OR film, and is able to follow that protocol if necessary.

Cysto Room

1. Describe the method for turning the unit on and off.
2. Given technical factors, accurately manipulate the kVp and mAs.
3. Demonstrate the method for activating fluoro and changing to overhead projections, as needed.



Radiography Program

SPECIAL (Cardio-Vascular) PROCEDURES ROTATION OBJECTIVES

By the completion of this rotation assignment, the student should be able to:

1. Assist in setting up and maintaining a sterile field.
2. Add instruments, needles, and other supplies to the sterile field without contamination.
3. Describe patient exam preparations for commonly performed procedures.
4. Describe the proper method for selecting and preparing contrast media for angiographic procedures.
5. Demonstrate the proper method for drawing contrast media into the auto injector and arm the injector.
6. Explain the difference between a guide wire and a catheter.
7. List the contraindications for invasive procedures.
8. Discuss patient positioning considerations for commonly performed procedures.
9. Identify and describe the role of each individual present during a procedure.
10. Manipulate the tube position for various projections.

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Radiography Program

ULTRASOUND (observation only) ROTATION OBJECTIVES

By the completion of this rotation assignment, the student should be able to:

1. Discuss the role of ultrasound in diagnostic imaging
2. Describe the basic principles of ultrasound imaging
3. Identify the limitations and advantages of ultrasound imaging
4. Define the terms transducer, echo, and Doppler
5. List and discuss common patient preps for ultrasound imaging
6. State the proper sequence of exams regarding ultrasound imaging and other imaging modalities

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Radiography Program

NUCLEAR MEDICINE (observation only) ROTATION OBJECTIVES

By the completion of this rotation assignment, the student should be able to:

1. Discuss the role of nuclear medicine in the diagnostic process.
2. Describe common patient preparations for nuclear medicine studies.
3. Identify any contraindications to performing nuclear studies.
4. List common timeframes for commonly performed nuclear studies.
5. Explain patient history information necessary when performing nuclear medicine studies.
6. Discuss safety measures to be taken while working in the "hot lab".
7. Identify contrast media, pharmaceuticals and other substances that may adversely affect nuclear studies.



Radiography Program

CT ROTATION OBJECTIVES

By the completion of this rotation assignment, the student should be able to:

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1. Define the terms scout, slice, image acquisition, image reformat, and image reconstruction.
2. Discuss the effects of manipulation the window and level settings on a displayed image.
3. Identify the various scanner components and state the function of each.
4. Explain the differences between conventional and spiral CT scanners.
5. List the advantages and limitations of spiral CT scanners.
6. Identify common patient preps for CT examinations.
7. List the contraindications for CT scanning and the use of IV contrast.
8. Describe the differences between the barium used in general x-ray and the barium used in CT.
9. Discuss the proper sequence of examinations relative to CT and other imaging modalities.

Standards
for an Accredited Educational
Program in Radiography

EFFECTIVE JANUARY 1, 2021

Adopted by:
**The Joint Review Committee on Education
in Radiologic Technology - April 2020**

The Joint Review Committee on Education in Radiologic Technology (JRCERT) is dedicated to excellence in education and to the quality and safety of patient care through the accreditation of educational programs in the radiologic sciences.



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Introductory Statement

The Joint Review Committee on Education in Radiologic Technology (JRCERT) Standards for an Accredited Educational Program in Radiography are designed to promote academic excellence, patient safety, and quality healthcare. The Standards require a program to articulate its purposes; to demonstrate that it has adequate human, physical, and financial resources effectively organized for the accomplishment of its purposes; to document its effectiveness in accomplishing these purposes; and to provide assurance that it can continue to meet accreditation standards.

The JRCERT is recognized by both the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA). The JRCERT Standards incorporate many of the regulations required by the USDE for accrediting organizations to assure the quality of education offered by higher education programs. Accountability for performance and transparency are also reflected in the Standards as they are key factors for CHEA recognition.

The JRCERT accreditation process offers a means of providing assurance to the public that a program meets specific quality standards. The process not only helps to maintain program quality but stimulates program improvement through outcomes assessment.

There are six (6) standards. Each standard is titled and includes a narrative statement supported by specific objectives. Each objective, in turn, includes the following clarifying elements:

- Explanation - provides clarification on the intent and key details of the objective.
- Required Program Response - requires the program to provide a brief narrative and/or documentation that demonstrates compliance with the objective.
- Possible Site Visitor Evaluation Methods - identifies additional materials that may be examined and personnel who may be interviewed by the site visitors at the time of the on-site evaluation in determining compliance with the particular objective. Review of supplemental materials and/or interviews is at the discretion of the site visit team.

Regarding each standard, the program must:

- Identify strengths related to each standard
- Identify opportunities for improvement related to each standard
- Describe the program's plan for addressing each opportunity for improvement
- Describe any progress already achieved in addressing each opportunity for improvement
- Provide any additional comments in relation to each standard

The self-study report, as well as the results of the on-site evaluation conducted by the site visit team, will determine the program's compliance with the Standards by the JRCERT Board of Directors.

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Standard One: Accountability, Fair Practices, and Public Information

The sponsoring institution and program promote accountability and fair practices in relation to students, faculty, and the public. Policies and procedures of the sponsoring institution and program must support the rights of students and faculty, be well-defined, written, and readily available.

Objectives:

- 1.1. The sponsoring institution and program provide students, faculty, and the public with policies, procedures, and relevant information. Policies and procedures must be fair, equitably applied, and readily available.
- 1.2. The sponsoring institution and program have faculty recruitment and employment practices that are nondiscriminatory.
- 1.3. The sponsoring institution and program have student recruitment and admission practices that are nondiscriminatory and consistent with published policies.
- 1.4. The program assures the confidentiality of student educational records.
- 1.5. The program assures that students and faculty are made aware of the JRCERT **Standards for an Accredited Educational Program in Radiography** and the avenue to pursue allegations of noncompliance with the **Standards**.
- 1.6. The program publishes program effectiveness data (credentialing examination pass rate, job placement rate, and program completion rate) on an annual basis.
- 1.7. The sponsoring institution and program comply with the requirements to achieve and maintain JRCERT accreditation.

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Standard Two: Institutional Commitment and Resources

The sponsoring institution demonstrates a sound financial commitment to the program by assuring

sufficient academic, fiscal, personnel, and physical resources to achieve the program's mission.

Objectives:

2.1 The sponsoring institution provides appropriate administrative support and demonstrates a sound

financial commitment to the program.

2.2 The sponsoring institution provides the program with the physical resources needed to support the

achievement of the program's mission.

2.3 The sponsoring institution provides student resources.

2.4 The sponsoring institution and program maintain compliance with United States Department of Education (USDE) Title IV financial aid policies and procedures, if the JRCERT serves as Gatekeeper.

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Standard Three: Faculty and Staff

The sponsoring institution provides the program adequate and qualified faculty that enable the program to meet its mission and promote student learning.

Objectives:

3.1 The sponsoring institution provides an adequate number of faculty to meet all educational, accreditation, and administrative requirements.

3.2 The sponsoring institution and program assure that all faculty and staff possess the academic and professional qualifications appropriate for their assignments.

3.3 The sponsoring institution and program assure the responsibilities of faculty and clinical staff are delineated and performed.

3.4 The sponsoring institution and program assure program faculty performance is evaluated and results are shared regularly to assure responsibilities are performed.

3.5 The sponsoring institution and/or program provide faculty with opportunities for continued professional development.

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Standard Four: Curriculum and Academic Practices

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

Objectives:

- 4.1 The program has a mission statement that defines its purpose.
- 4.2 The program provides a well-structured curriculum that prepares students to practice in the professional discipline.
- 4.3 All clinical settings must be recognized by the JRCERT.
- 4.4 The program provides timely, equitable, and educationally valid clinical experiences for all students.
- 4.5 The program provides learning opportunities in advanced imaging and/or therapeutic technologies.
- 4.6 The program assures an appropriate relationship between program length and the subject matter taught for the terminal award offered.
- 4.7 The program measures didactic, laboratory, and clinical courses in clock hours and/or credit hours through the use of a consistent formula.
- 4.8 The program provides timely and supportive academic and clinical advisement to students enrolled in the program.
- 4.9 The program has procedures for maintaining the integrity of distance education courses.

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Standard Five: Health and Safety

The sponsoring institution and program have policies and procedures that promote the health, safety, and optimal use of radiation for students, patients, and the public.

Objectives:

5.1 The program assures the radiation safety of students through the implementation of published policies and procedures.

5.2 The program assures each energized laboratory is in compliance with applicable state and/or federal radiation safety laws.

5.3 The program assures that students employ proper safety practices.

5.4 The program assures that medical imaging procedures are performed under the appropriate supervision of a qualified radiographer.

5.5 The sponsoring institution and/or program have policies and procedures that safeguard the health and safety of students.

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Standard Six: Programmatic Effectiveness and Assessment:

Using Data for Sustained Improvement

The extent of a program's effectiveness is linked to the ability to meet its mission, goals, and student

learning outcomes. A systematic, ongoing assessment process provides credible evidence that enables analysis and critical discussions to foster ongoing program improvement.

Objectives:

6.1 The program maintains the following program effectiveness data:

- five-year average credentialing examination pass rate of not less than 75 percent at first attempt within six months of graduation,
- five-year average job placement rate of not less than 75 percent within twelve months of graduation, and
- annual program completion rate.

6.2 The program analyzes and shares its program effectiveness data to facilitate ongoing program improvement.

6.3 The program has a systematic assessment plan that facilitates ongoing program improvement.

6.4 The program analyzes and shares student learning outcome data to facilitate ongoing program improvement.

6.5 The program periodically reevaluates its assessment process to assure continuous program improvement.

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NOTES: