



Technical Standards for Lansing Community College's Radiologic Technologist Program

Lansing Community College's Radiologic Technologist program has a responsibility to educate competent professionals to care for their patients, persons, families and communities with critical judgement, broad based knowledge and well-honed technical skills. The Program has academic as well as technical standards that must be met by students in order to successfully progress in and graduate from the Program.

Lansing Community College provides the following sample description and examples of technical standards to inform incoming and enrolled student of the performance abilities and characteristics that are necessary to successfully complete the requirement of the Radiologic Technologist curriculum. Program standards are drawn from the American Society of Radiologic Technologists ASRT Radiography Practice Standards and the ARRT Competency Requirements and the ARRT Standards of Ethics in addition to best practices for medical education programs.

My initials for each item indicate I have read, understand and with sufficient education upon matriculation can complete or demonstrate the following standards with or without accommodation.

1. Acquire Information

- a. Acquire and retain information from demonstration and experiences in coursework such as lecture, group work, lab work and physical demonstration.
- b. Identify and acquire information from written documents, computer systems, paper, slides, videos, verbal direction and other media.
- c. Understand and follow verbal direction.
- d. Recognize and assess patient changes in mood, activity, cognition, verbal and non-verbal communication.
- e. Accurately identify patients. Assume responsibility for and verify informed consent for all aspects of patient care before, during and after radiologic procedures.

2. Use and Interpret information

- a. Use information from didactic and clinical training to demonstrate critical thinking in classroom, lab and clinical settings.
- b. Use and interpret information from assessment techniques or maneuvers such as assessing respiratory and cardiac function, blood pressure, blood sugar, neurological status.
- c. Use and interpret information related to physiologic phenomena generated from diagnostic tools.
- d. Receive, relay and document verbal, written and electronic orders in the patient's medical record.
- e. Successfully evaluate images for diagnostic and technical quality and ensure proper identification is recorded.

3. Communicate

- a. Communicate effectively and sensitively with patients and families
- b. Communicate effectively with faculty, preceptors and all members of the healthcare team during practicum and all other learning experiences.

- c. Accurately elicit information including a medical history, verbal information from patients and other information to adequately and effectively evaluate a client or patient's condition.
- d. Corroborate patients' clinical history with procedure and ensure information is documented and available for use by a licensed practitioner.
- e. Provide ongoing education to patients and other healthcare professionals
- f. Understand and be able to follow direction while assisting licensed practitioners with fluoroscopic, surgical and specialized radiologic procedures.

4. Understand

- a. Measure, calculate, reason, analyze and synthesize data related to patient care.
- b. Exercise proper judgement and complete responsibilities in a timely and accurate manner according to the Radiologic Technologist role.
- c. Synthesize information from didactic and clinical settings, problem solve and think critically to judge the most appropriate theory or assessment strategy, including positioning strategies for optimal radiographic images.
- d. Ask for help when needed and make proper judgements when a procedure and/or patient care activity can or cannot be carried out alone.
- e. Maintain mature, sensitive and effective relationships with clients/patients, families, students, faculty, staff, preceptors and other professionals under all circumstances.
- f. Exercise skill of diplomacy to advocate for patients in need.
- g. Possess emotional stability to function under stress and adapt to changing environments inherent to didactic and clinical settings.
- h. Identify and prepare medications and contrast agents as prescribed by a licensed practitioner.
- i. Understand and apply the principles of optimal patient care.
- j. Understand and apply principles of ALARA to minimize radiation exposure to patients, self and others while optimizing technical exposure factors.
- k. Understand and apply the principles of ongoing quality assurance.
- l. Understand and follow the Standard of Ethics as listed in the American Registry of Radiologic Technologists Standard of Ethics.
- m. Understand and follow the Student General Rules and Guidelines, the Student Code of Conduct and the Program Handbook.

5. Participate

- a. Demonstrate skills to provide holistic care and prepare patients for procedures including performing venipuncture, starting, maintaining and/or removing intravenous access, and administering contrast agents and medication as prescribed by a licensed practitioner.
- b. Accurately and consistently position patients, including use of positioning devices to ensure optimal radiographic and fluoroscopic images as prescribed by a licensed practitioner.
- c. Practice in a safe manner, including safe use all equipment and all safety and protective equipment at all times. Safely complete exams and procedures in a timely manner. Safely complete all exams scheduled for a clinical rotation in a timely manner.
- d. Appropriately identify and provide care in emergencies and life support procedures and perform universal precaution against contamination.
- e. Fully participate in all didactic and clinical aspects of training including participating as a mock patient during lab sessions.

6. Act as a Professional Radiographic Technologist

- a. Demonstrate empathy and concern for others. Integrity, accountability, interest and motivation are necessary personal qualities.
- b. Demonstrate intent, desire and ability to follow the Standards of Care, the Code of Ethics and any certification or licensing requirements for the profession.
- c. Interact with preceptors, faculty, clinical staff, administrators, patients and all members of the healthcare team in manner that fosters the profession, enhances positive patient experience and reflects the ethical standards of my profession.
- d. Consistently evaluate my own performance and be willing to reach out to faculty, staff, preceptors, administrators or coworkers when I could benefit from assistance. Be willing to nonjudgmentally listen to and accept feedback from others.

Students who, after review of the above technical standards for the program, determine that they will need accommodation to fully engage in the program should contact the Center for Student Access at (517) 483-1924 or online at <https://lcc.edu/services/student-support-services/student-access/> to schedule an intake appointment with an Access Consultant and to discuss accommodations. Accommodations are never retroactive, therefore timely requests are essential and encouraged. If you do not feel that you can successfully direct or perform any of these technical standards with or without accommodation, please consult with the Program Director immediately to discuss options.

Please note that, although not a requirement of the program, students that have been charged with or convicted of a misdemeanor or felony, who have had a regulatory authority or certification board suspend or revoke a license or who have been suspended, dismissed or expelled from an ARRT certified program should consult with the Program Director for the Radiologic Technologist program prior to starting the program, as these issues can interfere with the ability to take the American Registry of Radiologic Technologists exam.

Lansing Community College provides high-quality education ensuring that all students successfully complete their educational goals while developing life skills necessary for them to enrich and support themselves, their families, and their community as engaged global citizens.