

Southeast Community College
RADIOLOGIC TECHNOLOGY PROGRAM
TECHNICAL STANDARDS

These technical standards reflect abilities necessary for a student to complete the requirements of the radiography curriculum. Each prospective student should review these requirements to determine their abilities to successfully fulfill the clinical competency requirements and physical demands of the profession. **STUDENTS MUST BE ABLE TO FULFILL THESE REQUIREMENTS WITH OR WITHOUT REASONABLE ACCOMMODATIONS.¹**

Technical Standard I: Observation

Must have the visual acuity to read, write, and assess the patient and the environment.
Must be able to monitor and assess vital signs including temperature, blood pressure, respirations, and pulse rate.

Technical Standard II: Communication

Be able to communicate in the English language, both verbally/non-verbally and in written format with patients, family members, and hospital staff.
Be able to communicate effectively with patients from different social and cultural backgrounds.
Must have the ability to read, comprehend, and write legibly in the English language.

workers, and perceive, interpret and respond to various equipment signals.

Technical Standard III: Motor Function

Must have the physical stamina to stand and walk for 8 hours or more, move from room to room, and maneuver in small spaces in a clinical setting.

Must be able to work with a 25-50 lb (11-23 kg) weight, 21 inch (53 cm) height, 17 inch (43 cm) reach, 10 inch (25 cm) diameter, 5 inch (13 cm) diameter, 1/2 inch (13 mm) diameter, 1/4 inch (6 mm) diameter, 1/8 inch (3 mm) diameter, 1/16 inch (1.6 mm) diameter, 1/32 inch (0.8 mm) diameter, 1/64 inch (0.4 mm) diameter, 1/128 inch (0.2 mm) diameter, 1/256 inch (0.1 mm) diameter, 1/512 inch (0.05 mm) diameter, 1/1024 inch (0.025 mm) diameter, 1/2048 inch (0.0125 mm) diameter, 1/4096 inch (0.00625 mm) diameter, 1/8192 inch (0.003125 mm) diameter, 1/16384 inch (0.0015625 mm) diameter, 1/32768 inch (0.00078125 mm) diameter, 1/65536 inch (0.000390625 mm) diameter, 1/131072 inch (0.0001953125 mm) diameter, 1/262144 inch (0.00009765625 mm) diameter, 1/524288 inch (0.000048828125 mm) diameter, 1/1048576 inch (0.0000244140625 mm) diameter, 1/2097152 inch (0.00001220703125 mm) diameter, 1/4194304 inch (0.000006103515625 mm) diameter, 1/8388608 inch (0.0000030517578125 mm) diameter, 1/16777216 inch (0.00000152587890625 mm) diameter, 1/33554432 inch (0.000000762939453125 mm) diameter, 1/67108864 inch (0.0000003814697265625 mm) diameter, 1/134217728 inch (0.00000019073486328125 mm) diameter, 1/268435456 inch (0.000000095367431640625 mm) diameter, 1/536870912 inch (0.0000000476837158203125 mm) diameter, 1/1073741824 inch (0.00000002384185791015625 mm) diameter, 1/2147483648 inch (0.000000011920928955078125 mm) diameter, 1/4294967296 inch (0.0000000059604644775390625 mm) diameter, 1/8589934592 inch (0.00000000298023223876953125 mm) diameter, 1/17179869184 inch (0.000000001490116119384765625 mm) diameter, 1/34359738368 inch (0.0000000007450580596923828125 mm) diameter, 1/68719476736 inch (0.00000000037252902984619140625 mm) diameter, 1/137438953472 inch (0.000000000186264514923095703125 mm) diameter, 1/274877906944 inch (0.0000000000931322574615478515625 mm) diameter, 1/549755813888 inch (0.00000000004656612873077392578125 mm) diameter, 1/1099511627776 inch 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