

Academic Requirements

Below is a list of academic skills that all perspective students within the College of Health Sciences must possess for optimal performance with or without reasonable accommodations.

Reading Skills – ability to learn, retain and understand information from college-level textbooks and academic journals.

Communication Skills – ability to communicate effectively in English using oral, written and electronic forms.

Quantitative Skills – ability to identify and apply mathematical formulas, procedures and processes.

Computer Literacy – ability to send and retrieve information from a variety of electronic forms and to be proficient using a learning management system such as D2L or Blackboard.

Critical Thinking/Problem Solving – ability to apply evidence-based decision making to support appropriate choices and actions.

Professional Etiquette- conducts all interactions and communications, including with peers, using civil and polite language, regardless of circumstances.

Essential Functions Specific to the Radiography Program

Radiography is a practice discipline with cognitive, sensory, affective, and psychomotor performance requirements. Based on these requirements, a list of essential functions has been developed. Each standard has an example of an activity or activities that a potential student will be required to perform while enrolled in the program.

CATEGORY	STANDARD	EXAMPLES OF REQUIRED ACTIVITIES (Not all inclusive)
Critical Thinking	Critical thinking ability sufficient for safe clinical judgment.	<ul style="list-style-type: none"> * Identify cause-effect relationships in clinical situations. * Evaluate radiographic images to ascertain that they contain proper identification and are of diagnostic value. * Select exposure factors and accessory devices for all radiographic procedures with consideration of patient size, age, and extent of disease. * Assess the patient's condition and needs from a distance of at least 20 feet. * Initiate proper emergency care protocols, including CPR, based on assessment data.

CATEGORY	STANDARD	EXAMPLES OF REQUIRED ACTIVITIES (Not all inclusive)
Interpersonal Skills	Ability to interact with individuals, families and groups from a variety of social, emotional, cultural and intellectual backgrounds.	<ul style="list-style-type: none"> * Establish a rapport with patients, families, and colleagues. * Ensure mature, sensitive, and effective relationships with patients and colleagues. * Tolerate a physically taxing workload. * Function effectively under stress. * Adapt to changing environments (flexible schedules, emergency conditions). * Display compassion, professionalism, empathy, and integrity in all aspects of the classroom, lab, and clinical settings. * Bathe daily, use appropriate deodorant/anti-perspirant, and launder your work clothes regularly.
Communication	Communication abilities sufficient for interaction with others in English using oral, written and electronic forms.	<ul style="list-style-type: none"> * Effectively communicate with the patient to converse, provide instruction, relieve anxiety, gain cooperation during procedures, and understand the patient when they are describing symptoms of a medical condition. * Accurately read the patient's medical chart and/or physician's orders. * Legibly write patient history. * Document your own actions and patient responses as indicated.
Mobility	Physical abilities are sufficient to move from room to room and maneuver in small spaces.	<ul style="list-style-type: none"> * Assist all patients, according to individual needs and abilities, in moving, turning, and transferring from transportation devices to the x-ray table, etc. * Be able to push, pull, and lift 50 pounds. * Push a stretcher and/or wheelchair without injury to self, patient, or others. * Push a portable x-ray machine from one location to another, including turning corners, getting on and off an elevator, and safely maneuvering it within a patient's room.

CATEGORY	STANDARD	EXAMPLES OF REQUIRED ACTIVITIES (Not all inclusive)
Motor Skills	Gross and fine motor abilities are sufficient to provide safe and effective care.	<ul style="list-style-type: none"> * Manually move the x-ray tube and position the tube at various angles at heights of up to 7 feet. * Accurately draw up sterile contrast media and other solutions without contaminating the syringe and/or needles, etc. * Place imaging cassettes in trays and properly manipulate imaging devices. * Physically be able to administer emergency care including performing CPR. * Be able to stand for periods of 2 hours wearing lead aprons and to walk 5 miles during a normal workday.
Hearing	Auditory abilities are sufficient to monitor and assess patient needs, and to provide a safe environment.	<ul style="list-style-type: none"> * Hear a patient talk in a normal tone from 20 feet. * Hear monitor alarm, emergency signals, and cries for help.
Visual	Visual ability is sufficient for observation and assessment necessary in the operation of equipment and care of patients.	<ul style="list-style-type: none"> * Visualize the x-ray collimator light field and identify the center. * Observe the patient to assess the patient's condition and/or needs from a distance of at least 20 feet. * Can see numbers, letters, calibrations, etc., of varying sizes located on equipment utilized by a radiographer.
Tactile	Tactile ability sufficient for patient assessment and operation of equipment.	<ul style="list-style-type: none"> * Perform palpation, tactile assessment, and manipulation of body parts to ensure proper body placement and alignment. * Manipulate dials, buttons, and switches of various sizes.
Mental	Mental ability is sufficient for patient assessment and operation of equipment and care of patients.	<ul style="list-style-type: none"> * Be able to visually concentrate and focus attention, thoughts, and efforts on patients and equipment for varying periods of time. * Be able to respond to patients' changing physical conditions.

CATEGORY	STANDARD	EXAMPLES OF REQUIRED ACTIVITIES (Not all inclusive)
Environmental Requirements	Physical health is sufficient to be able to tolerate certain conditions present in the critical setting.	* Be able to tolerate risks or discomforts in the clinical setting that may require special safety precautions and additional safety education. This will also include working with ionizing radiation, sharp instruments, chemicals, medications, and infectious disease. Students may be required to use protective clothing or gear such as masks, goggles, gloves, and lead aprons.

If a student cannot demonstrate the abilities identified above, it is the responsibility of the student to request appropriate accommodation with Accessibility Services. Please contact Monique Bredbenner at the Health Education Center at 727-341-3432 or bredbenner.monique@spcollege.edu. Determination of a reasonable accommodation will be made on an individual basis and the accommodation cannot fundamentally alter the nature of the program offered, impose an undue hardship, or jeopardize safety.

Attendance and Participation – Due to the Radiography Program’s concentrated curriculum, regular attendance and full participation is expected for each course. Refer to the attendance policy found in the syllabus of each course for a detailed description of these requirements.

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