

AMARILLO COLLEGE
DIVISION OF ALLIED HEALTH SCIENCES

RADIATION THERAPY PROGRAM

TECHNICAL STANDARDS/ESSENTIAL FUNCTIONS (HEALTH)FORM

The Radiation Therapy Program at Amarillo College has established technical standards that must be met by all students in the program. The following (**next few pages**) is a guideline for the prospective student so that he/she may understand the physical requirements and essential functions necessary for successful completion of the Radiation Therapy Program. This list is not intended to be all-inclusive but rather a basic outline of the basic physical demands of the educational endeavor. Each student must be able to perform and maintain the following (see details on next page) throughout their tenure in the program as well as when entering the field as a certified radiation therapist:

By my signature on this document, I acknowledge that I have been provided a list of the physical requirements for the Radiation Therapy Program, and I understand that once accepted into the program, if I am not able to perform these essential functions, I will be asked to withdraw from the program. I also acknowledged, by my signature, that I might be required, at any time during the program, to undergo physical examination, and medical clearance (from one or multiple physicians, as requested by the Program Director or other administrative personnel), if there is any reasonable question or concern regarding my abilities to perform the required physical tasks of a certified radiation therapist. By signing this document I also acknowledge that I, the applicant, understand that this form is NOT intended to describe a complete and total list of requirements, and that if I have any medical/physical condition that could impede or impair my ability to perform the tasks/duties of a radiation therapist (just as a “for instance” narcolepsy), I am bound to inform the program of my condition/situation, and that any such condition/circumstance may require additional documentation to demonstrate my ability to perform in the clinical/class/lab environment.

Furthermore, if I am currently or if I become disabled, and as Amarillo College and the Radiation Therapy Program do not discriminate on the basis of disability, I understand that I must contact the Amarillo College ACcess Center (371-5436) with the proper documentation so that proper accommodations can be made as required. If I elect to refrain from contacting the ACcess Center, or if the ACcess Center finds that accommodations are not valid for the circumstances, I realize that accommodations will not be made.

Are you able to perform all of the Essential Functions identified NEXT PAGE(s) with or without reasonable accommodations? If reasonable accommodations are required, please include a separate document description.

Circle one:

Yes / No

Signature of applicant

date

Social security #

See next pages for list of Technical Standards/Essential Functions (Requirements for radiation therapy)

AMARILLO COLLEGE—RADIATION THERAPY PROGRAM “TECHNICAL STANDARDS” (ESSENTIAL FUNCTIONS)

General Health: The applicant must have good personal health so as to not pose a safety risk to patients or personnel. The applicant must have the ability to perform the tasks necessary to fulfill the job description of a radiation therapist. The “Technical Standards” form describes health criteria that must be met for entry into the program. A medical release signed by a medical doctor may be required to document that the criteria can be met. Otherwise, no additional documentation is necessary. **Failure to give an honest appraisal of the health standards described in the Technical Standards form is grounds for immediate dismissal from the program.** *If the student's health changes during the course of the program, the student must contact the Program Director to document their new health status. If the student is no longer able to perform the tasks required in the Technical Standards form, the student may be required to leave the program.*

The radiation therapist must have sufficient strength and motor coordination required for the performance of the essential functions of a work day:

Physical Demands: Candidates must be able to frequently.....

1. Stand, walk, crouch, stoop, bend, balance, twist at neck and waist, and reach/grasp above shoulders, in front of body, to sides of body, and below knees.
2. Push and pull objects in excess of forty (40) pounds routinely. Includes, but not limited to: accessory equipment, wheelchairs and stretchers.
3. Lift 10-40 pounds unassisted to approximately six (6) feet from the floor and to a height of six (6) feet. Objects lifted include but are not limited to blocks, electron cones, accessory devices, and positioning aids.
4. Be independently mobile within a building and between buildings.
5. Show sufficient balance to protect and assist patient(s).
6. Push wheel chairs and stretcher from waiting areas to treatment, simulation, and nursing rooms
7. Transport, reposition, move, and assist in moving a dependent patient from a stretcher or wheelchair onto a table.
8. Must be able to move/assist in moving patients from wheelchair to treatment table and back, gurney to treatment table and back. Assist patients in walking to and from treatment areas—including assisting patients back to and into their care or other transportation vehicles.
9. Have endurance and attention to actively engage in 8 hours of patient treatment each day, 5 days a week.
10. Demonstrate fine motor coordination/dexterity to be able to grasp, handle, hold, cut, push, pull, and feel.
11. Work in confined spaces such as assisting patients in a bathroom or working in an office with several people.
12. Have full use of hands, wrists, shoulders, and work standing on feet 80% of the time.
13. Perform CPR (and obtain/maintain appropriate CPR certification).
14. Apply personal protective equipment.

Visual & Hearing: Candidates must be able to

1. Assess the patient's condition by asking questions, listening to responses, observing condition and behavior.
2. Read typewritten, handwritten, and computer information.
3. Visually evaluation simulation and portal images.
4. Visually monitor patient via TV camera/monitor.
5. Distinguish colors and opacity.
6. Depth perception in judging distances and spatial relationships.
7. Distinguish sounds and voices over background noise.
8. Hear patient communications over auditory monitoring system.
9. Hear patient and coworker in a darkened treatment/simulation room.

Mental/Concentration Demands: Candidates must be able to

1. Concentrate for extended periods of time.
2. Focus on a task for an extended period of time.
3. Learn and retain new information.
4. Apply theoretical concepts underlying the clinical practice of radiation oncology.

Manual Dexterity/Fine Motor: Candidates must be able to

1. Perform manipulative skills such as positioning patients and equipment.
2. Program and operate equipment by setting control panel, using a keyboard, manipulating dials, button, knobs, switches, and levers.
3. Input data into the paper and/or electronic treatment record.
4. Detect changes in environmental odor, temperature, and color.

Communication Skills: Candidate must be able to.....

1. Audibly communicate with clarity in person to exchange accurate information on a one-to-one basis, in a small group, large classroom setting, or large group.
2. Communicate effectively in written and spoken English.
3. Detect, interpret, and appropriately respond to verbal and non-verbal communication, acoustically generated signals (call bells, monitors, phones, alarms)
4. Use therapeutic communication: attending, clarifying, coaching, and facilitating, and using and responding to nonverbal communication.
5. Communicate effectively, efficiently and appropriately with peers, faculty, supervisors, other professionals, patients, and their significant others.
6. Demonstrate sufficient observational skills to collect data on patient performance, and assure patient safety during treatment activities.
7. Gather, analyze and correctly interpret information.

Exposures: Once accepted into the program, candidates may be exposed to....

1. Blood, body fluids, and infectious disease..
2. Potentially hazardous ionizing radiation and radioactive materials.
3. Electrical hazards.
4. Moderate noise from mechanical equipment.
5. Other hazardous materials, toxic substances, and irritating particles.

Personal Traits: Candidates must be able to frequently.....

1. Work within clinical environments, which involve exposure to persons with physical & mental disabilities; and to pain, grief, death, stress, communicable diseases, blood and body fluids, toxic substances, noxious odors and irritating particles.
2. Work with a diverse patient population including persons of various ages, ethnic, racial, religious, alternative lifestyle, and socioeconomic backgrounds without prejudice or repulsion.
3. Conduct oneself in accordance with professional ethics.
4. Exhibit teamwork skills and a spirit of cooperation and respect for peers, faculty, supervisors and other professionals, patients and their significant others.
5. Work around others and alone.
6. Modify behavior/performance in the classroom or the clinic after feedback from the instructor or clinical supervisor.
7. Show problem-solving ability sufficient to organize and complete multiple tasks accurately and within assigned periods.
8. Independently initiate routine job tasks.
9. Respond independently, effectively and quickly to an emergency.
10. Demonstrate competency in clinical judgment and safety precautions.
11. Maintain poise and flexibility in stressful or changing conditions.
12. Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions.

13. Interpret instructions furnished in oral, written, diagrammatic or schedule form.
14. Carry out detailed, simple to complex written or oral instructions.
15. Comprehend medical records, documents, evaluations, manuals, journals, instructions in use and maintenance of equipment, safety rules, and procedures.
16. Interact compassionately and effectively with the sick or injured.
17. Function safely, effectively and calmly in stressful situations.
18. Prioritize multiple tasks.
19. Maintain personal hygiene consistent with tasks.
20. Display ethical/conduct standards consistent with standards of the profession.
21. Develop and maintain a productive working rapport with patients, staff, faculty, and other students.