

Amarillo College Nuclear Medicine Program

Nuclear Medicine Admission Requirements:

- I have read and understand all admission requirements for acceptance into the Amarillo College Nuclear Medicine Program which can be found on the Nuclear Medicine web page or by contacting the program director; and,
- I understand for my application to be considered, I must attend a Nuclear Medicine meeting and a video/hospital visit; and,
- I know the principle duties and recommended characteristics of a Nuclear Medicine Technologist; and,
- I understand that I will have to have completed and provide documentation for the Texas immunization requirements prior to being involved in direct patient contact in program affiliated medical care facilities. Which include:
 - Two doses of MMR (measles, mumps, & rubella) vaccine or titer results
 - Three injections of hepatitis B vaccines, Hep B fast track, or titer results
 - Two injections of varicella (Chicken Pox) vaccine or titer results
 - One dose of tetanus-diphtheria toxoid within the last ten years
 - Influenza vaccination prior to the seasonal flu season (must be completed annually)
 - Bacterial Meningitis vaccination (optional and only for those age 22 or under)
<https://www.actx.edu/admission/meningitis>
 - *While not a state requirement, some of the clinical sites do not accept the COVID vaccine waiver
- I have had the opportunity to ask questions concerning:
 - Current and future Nuclear Medicine Technologist job availability; and,
 - Current and future starting salaries for new Nuclear Medicine graduates; and,
- I have provided officials at Amarillo College with any applicable academic transcripts as requested in the Admission Criteria; and,
- I understand that my program application information must be current, complete, accurate, and to do otherwise could jeopardize my acceptance into the program; and,
- I agree to abide by all admission requirements and understand that my application does not guarantee me an appointment in the next Nuclear Medicine class and that I must compete with other applicants for that appointment based on a point system that has been fully described in the admission process documentation.
- The HESI exam is a requirement and calculated into to points.

Required courses:

- Communication: ENGL
 - Any approved Social/Behavioral Science course
 - Any approved college level Math course
 - Any approved college level Language, Philosophy, Cultural, or Creative Arts course
 - Any approved college level Speech course
 - BIOL 2401 A&P I
 - BIOL 2402 A&P II
 - Any approved college level CHEM 4 hours
- Medical Terminology course is highly recommended.

Other Considerations

For your application to be considered complete, you must meet with the program director.

CPR/BLS (Basic Life Support) for Healthcare Provider, *cannot accept online CPR*, immunization records, and background check, and drug screen (must purchase Complio) will also need to be completed.

Acceptance into the program is contingent upon passing a drug screen and background check. You will get the information on Complio for completing these tasks once you are accepted.

A HESI test is required

Notification of acceptance to the program will be sent to your official school email on tbd (mid-June). The candidate for the program is responsible for checking his or her email and responding prior to tbd (mid-June). If no response is received from the candidate prior to the deadline, the program will move to the next candidate in line.

Nuclear Medicine Physical Requirements:

Admission to any of the five NMTT Practicum/Clinical courses requires that you be able to:

- FULLY participate physically and mentally in all on-job-related activities in such a way to not pose a risk to safety of a patient, yourself or other medical personnel.
- You must be able to lift fifty pounds without assistance
- Hear and speak the English language
- See with a visual acuity not less than that required for a Texas driver's license (20/40).

Pregnancy Policy:

The National Council on Radiation Detection and Measurements (NCRP) recommendations, the Nuclear Regulatory Commission (NRC), & Texas Administrative Code Regulations (or applicable state health agency) requirements are adopted as policy by the Amarillo College Radiological Science Programs. This policy is STRICTLY enforced to provide protection for the radiation sensitive embryo/fetus and to establish radiation protection procedures to ensure safety from any potentially significant exposure. It is realized that the Radiological Science student who is pregnant may choose to maintain her pregnancy status as confidential. Any such student may still obtain fetal dose and related radiation safety information, at any time, from the Radiation Safety Officer (RSO) without officially declaring her pregnancy status. However, a student who is pregnant is encouraged to consider the RSO's responsibility for her safety, as well as the safety of her embryo/fetus, and voluntarily provide the RSO with an official written declaration of pregnancy.

Amarillo College assumes no responsibility for providing fetal radiation dose monitoring and precautions until the pregnant student voluntarily declares her pregnancy status, in writing, to the RSO. Amarillo College's responsibility to protect the embryo/fetus under the 500 mREM (5 mSV) dose guideline begins only when the student officially declares her pregnancy to the Radiation Safety Officer.

Procedures:

Once a written declaration of pregnancy has been received by the RSO, the RSO will schedule a counseling session with the student as soon as possible, no longer than one week after declaration.

Major items to be discussed during this session will include:

1. Fetal dose safety and precautions.
2. A copy of the NRC Regulatory Guide 8.13 "Instructions Concerning Prenatal Radiation Exposure", 25 TAC 289.202 dose equivalent to an embryo/fetus, or applicable state agency guide.
3. Fetal radiation monitoring program, guidelines, regulations and a separate monthly fetal dosimetry badge.
4. Safety aspects of the student, the ALARA (As Low As Reasonably Achievable) radiation protection philosophy.
5. The student who is pregnant will have several options to consider regarding the duration of her educational program at Amarillo College:
 - A. She may remain in all program courses through program completion without any modification or

interruption because of her pregnancy.

B. She may remain in all program courses and request special modifications related to the higher dose potential duties (e.g. portable imaging, surgery, fluoroscopy, I-131 therapy, etc.). The RSO will make the determinations for specific work area assignments during the pregnancy period and each case will be handled on an individual basis.

C. She may remain in didactic courses only, and take a temporary leave from those courses where she would be directly involved with the use of ionizing radiation equipment with the duration of leave not to exceed a period of time that will prevent program completion within the 36-month requirement as stated in the college General Catalog.

D. She may take a leave from all program coursework with the duration of leave not to exceed a period of time that will prevent program completion within the 36-month requirement as stated in the college General Catalog.

E. She may at any time voluntarily withdraw her declaration of pregnancy. Withdrawal of declaration or pregnancy MUST be in writing, by submitting a hand-written or typed note, signed by the student, declaring that they are withdrawing their declaration of pregnancy. It is the responsibility of the student to deliver the note to the RSO. Any declaration not in writing cannot be recognized.

After the counseling session, the student and RSO will be asked to sign a statement confirming that:

1. The student received a copy of the NRC Regulatory Guide 8.13 "Instructions Concerning Prenatal Radiation Exposure", 25 TAC 289.202 dose equivalent to an embryo/fetus, or applicable state agency guide.
2. Personnel monitoring has been established;
3. Options have been discussed; and,
4. The student had an opportunity for questions during the counseling session.

NUCLEAR MEDICINE PROGRAM POINT SYSTEM

The following point system will be used to select students for each Health Science Program and is used for course completion for general education and specific accreditation requirements:

Grade of "A" for courses = 10 points

Grade of "B" for courses = 7 points

Grade of "C" for courses = 4 points

(NOTE: Students will receive the highest grade for courses earned per category and/or repeated.)

COMMUNICATION REQUIREMENTS (ENGL)

SOCIAL & BEHAVIORAL REQUIREMENTS

MATHEMATICS REQUIREMENTS (College level math)

LANGUAGE, PHILOSOPHY, CULTURE or CREATIVE ARTS

Speech Requirement

Anatomy and Physiology I

Anatomy and Physiology II

Any college level Chemistry with a lab

ADDITIONAL POINTS

HESI exam scores:

Reading 70-75 (3), 75-85 (5), 85-100 (8)

Math 70-75 (3), 75-85 (5), 85-100 (10)

A&P 70-75 (3), 75-85 (8), 85-100 (10)

Critical thinking 800-869 (10), 870+ (20)