

Master of Science in Nuclear Medicine Technology



Your Future is Nuclear Powered

Make a difference in patient care every day. As a Nuclear Medicine Technologist (NMT) you will aid in the decisions of patient disease management and treatment planning.

- Only NMT program in Alabama.
- Only NMT program to access UAB's Advanced Imaging Center which includes PET/CT and PET/MRI.
- Almost 1000 hours of hands on clinical training.
- State-of-the-art learning laboratory.
- Faculty with 50+ years' combined experience.
- U.S. News & World Report: Top 20 "Best Healthcare Jobs."

**You are unique. You want a unique education.
You want UAB NMT.**

Application Process

Apply through the UAB Graduate School online at www.uab.edu/graduate

DEADLINE: First Consideration – February 15
International Student Admission – April 30
Final Admission - August 1

REQUIREMENTS:

- BA or BS degree
- TOEFL, IELTS, PTEA (Int'l students)
- Meet all graduate school requirements

ALL STUDENTS MUST:

- Have personal insurance coverage uab.edu/studenthealth
- Complete required immunizations, background check and drug screen
- Complete additional screenings prior to clinical rotation placement

Students with pacemakers, stents, and/or other metallic implants may not be eligible for the MRI clinicals.

Contact Information

UAB DEPARTMENT OF CLINICAL AND DIAGNOSTIC SCIENCES

Admissions Office

437 School of Health Professions Building
1716 9th Ave S • Birmingham, AL 35294
205.934.3209 • AskCDS@uab.edu



Prerequisite Courses (40 hours)

Precalculus Trigonometry / MA 106
Introductory Chemistry I and II / CH 105-108 or CH 115-118
Pathophysiology / BY 216 or NMT 320
Human Anatomy and Physiology / BY 115 and BY 116
Statistics / MA 180
College Physics I and II / PH 201 & PH 202 with labs
Medical Terminology / HCM 350
Health Care Systems / HCM 330
First Aid/BLS Healthcare Provider CPR / CDS 425

*May be taken while in the NMT program

** May be taken during the first term of program

Professional Phase Curriculum

(64 hours)

FIRST YEAR

Fall (18 Hours)

CDS 501	Professional Skills I	0
CDS 610	Research Design & Statistics	3
NMT 602	Intro to Nuclear Medicine, Patient Care & Communications Skills	3
NMT 610	Medical Radiation Physics	4
NMT 621	Nuclear Medicine Instrumentation I	4
NMT 631	Nuclear Medicine Anatomy & Physiology Procedures I	4

Spring (14 Hours)

CDS 502	Professional Skills II	1
CDS 625	Analysis of Scientific Publication	3
NMT 632	Nuclear Medicine Anatomy & Physiology Procedures II	4
NMT 641	Regulations, Radiation Protection/ Biology & Lab	4
NMT 691	Clinical Practice	3

Summer (18 Hours)

CDS 503	Professional Skills III	1
HA 650	Management and Leadership Skills for Clinical Professional	3
NMT 605	Cross-Sectional Anatomy	3
NMT 622	Nuclear Medicine Instrumentation II	3
NMT 623	Computed Tomography Instrumentation	3
NMT 691	Clinical Practice	5

SECOND YEAR

Spring (14 Hours)

NMT 660	Radiopharmacy, Pharmacology and Lab	3
NMT 691	Clinical Practice	7
NMT 698	Non-Thesis Research	4

Requirements for International Applicants:

- All foreign transcripts from World Education Services, Educational Credential Evaluators, or Josef Silny and Associates, Inc. must be sent directly to the Graduate School for evaluation.
- A degree equivalent to a bachelor's degree from a regionally accredited educational institution in the US
- A score of: IELTS – 6.5, TOEFL – 80, PTEA – 53
- Financial Affidavit of Support
- Immigration documentation if currently residing in the US

Computed Tomography & Magnetic Resonance Imaging Concentrations

Concentrations in Computed Tomography (CT) or Magnetic Resonance Imaging (MRI) are offered on a space available basis. Students will select the following courses based on concentration.

COURSES SEM HRS

CT Concentration Courses (15 Hours)

SECOND YEAR

Fall

NMT 633	Computed Tomography Procedures	3
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Spring

NMT 694	CT Clinical Practice	10
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MRI Concentration Courses (20 Hours)

FIRST YEAR

Spring

NMT 624	MRI Physics and Instrumentation	3
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Summer

NMT 601	Introduction to MRI Clinic	2
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SECOND YEAR

Fall

NMT 634	MRI Scanning and Sequence Optimization	3
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Spring

NMT 695	MRI Clinical Practice	10
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The Master of Science in Nuclear Medicine Technology degree program is designed to lead to a professional certification. There are two national professional board exams, one through the Nuclear Medicine Technology Certification Board (NMTCB) and the other with The American Registry of Radiologic Technologists (ARRT), resulting in a credential of CNMT or RT(N) respectively. In addition, students may elect to pursue elective coursework that can lead to secondary-post primary certification in Computed Tomography (CT) and/or Magnetic Resonance Imaging (MRI). CT certification is either through the NMTCB which results in a credential of NMTCB (CT) or through the ARRT with a credential of RT(CT). MRI certification is through the ARRT resulting in a credential of RT(MR). Specific licensure requirements for each modality still vary from state to state. UAB is working to develop an online, publicly-accessible database to assist in providing this state-by-state information. In the meantime, if you are interested in learning about potential professional licensure requirements in your state for a specific degree program, please contact UAB State Authorization at stateauth@uab.edu, or call Dr. Lisa Reburn at (205) 934-3258.

Many degree programs in the School of Health Professions lead to licensure or professional certification. Requirements for licensure or certification may vary by state, even within a profession. Information about such requirements is available from the UAB State Authorization officer at stateauth@uab.edu or (205) 934-3258.

UAB is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award degrees at the baccalaureate, master's, specialist, and doctoral levels.

The University of Alabama at Birmingham prohibits discrimination in admission, educational programs, and other student matters on the basis of race, color, religion, sex, sexual orientation, gender identity, gender expression, age, national origin, disability unrelated to program performance, veteran status or genetic or family medical history.

UAB is committed to providing an accessible learning experience for all students. If you are a student with a disability that qualifies under Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act, and you require accommodations, please contact Disability Support Services for information on accommodations, registration and procedures. Call 205 934-4205 or visit uab.edu/dss.