

Baccalaureate Degree, Nuclear Medicine Technology

Admission and Degree Requirements

<http://www.medicine.uiowa.edu/radsci/NMT/>

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Admission Requirements

- **Rhetoric:**

RHET:1030 Rhetoric

- **Natural Sciences:**

1) Chemistry with Lab: CHEM:1110 Principles of Chemistry I

2) Human Anatomy with Lab (*choose one option below*):

- HHP:1150 Human Anatomy with Lab
- HHP:3115 Anatomy for Human Physiology with Lab
- HHP:1100 and HHP:1110 Human Anatomy and Lab
- ACB:3110 and HHP:1110 Principles of Human Anatomy and Lab

3) Human Physiology with Lab (*choose one option below*):

- HHP:1350 Fundamentals of Human Physiology with Lab
- HHP:3550 Human Physiology with Lab
- HHP:1300 and HHP:1310 Fundamentals of Human Physiology and Lab
- HHP:3500 and HHP:1310 Human Physiology and Lab

4) Physics: PHYS:1400 Basic Physics or PHYS:1511 College Physics I

- **Social Science:**

PSY:1001 Elementary Psychology

- **Quantitative/Formal Reasoning:**

MATH:1440 Math for the Biological Sciences or MATH:1020 Elementary Functions or higher level

- **General Education:** 3sh from 2 of the following areas (6 sh total):

- Diversity and Inclusion (DI)
- Historical Perspectives (HP)
- International and Global Issues (IGI)
- Literary, Visual, and Performing Arts (LVPA)
- Values and Culture (VC)

- **Medical Terminology:**

CLSA:3750 Medical and Technical Terminology

- **60 sh of coursework:** 60sh can be awarded for the ARRT(R) certification

- Prerequisite courses must be completed by June 1
- 2.5 minimum cumulative college GPA (excludes Radiology Technology course grades)
- Two years of high school world language is a prerequisite to the professional program
- International students and students whose first language is not English: satisfaction of all UI Admissions requirements; completion of the English Language Requirements for Admission, the English Proficiency Evaluation, and all proficiency courses required for clearance to take a full academic load

Recommended:

- Health Care experience (recommend CNA)
- Job Shadowing in Nuclear Medicine and PET
- RSP:1100 Introduction to Radiation Sciences (1 sh)
- BIOL:1140 Human Biology (4 sh)
- CHEM:1120 Principles of Chemistry II (4 sh)
- Statistics: STAT:1020, STAT:3510, or STAT:4143 (3 sh)
- CS:1020 Principles of Computing or MSCI:1500 Business Computing Essentials (2-3 sh)

Admission Process

- Apply to the Nuclear Medicine Technology professional program before **January 15**.
- Personal interview on campus for invited applicants
- Transfer students: Apply online (<http://admissions.uiowa.edu>) to the College of Liberal Arts, Nuclear Medicine Interest *by early December*, prior to professional program application.

Notes:

- Track duration is 2 years of didactic and clinical education. Acceptance is not guaranteed; selection process is required due to limited clinical openings.
- Students are advised for success, based on academic strength, not necessarily for a 4 year plan.
- Prerequisites may take more than two years to complete.
- Early acceptance criteria: Half of all prerequisites, 30sh, and 2.5 overall GPA by June 1, with plan to complete remaining prereqs the following year. Preference given to candidates with documented health care and job shadowing experiences. Limited number of positions available; application and selection process required; acceptance is not guaranteed. Admission into the College of Medicine, Nuclear Medicine Technology Program is contingent upon the successful completion of all prerequisites.

Degree Requirements

- Nuclear Medicine Technology courses in the schedule below.
- Semester hour, GPA, and Residency Requirements:
 - Successfully complete a minimum of 120 semester hours of credit
 - Maintain a minimum 2.0 cumulative and UI GPA
 - Complete all courses in the major with a C or above

Nuclear Medicine Technology Schedule:

First Year – Freshman (CLAS, Nuc Med Tech Interest major)			
1st Semester Fall	s.h.	2nd Semester Spring	s.h.
RHET:1030 Rhetoric	4	Human Anatomy and Lab (several options)	4-5
BIOL:1140 Human Biology**	4	CLSA:3750 Medical & Technical Terminology	2
PSY:1001 Elementary Psychology	3	MATH:1440 Math for the Biological Sciences or MATH:1020 Elementary Functions	4
RSP:1100 Introduction to Radiation Sciences*	1	DI, IGI, HP, LVPA, or VC	3
DI, IGI, HP, LVPA, or VC	3	Electives	2
Subtotal	15	Subtotal	15-16

Second Year – Sophomore (CLAS, Nuc Med Tech Interest major)			
1st Semester Fall	s.h.	2nd Semester Spring	s.h.
CHEM:1110 Principles of Chemistry I	4	CHEM:1120 Principles of Chemistry II*	4
PHYS:1400 Basic Physics or PHYS:1511 College Physics	3-4	STAT:1020 Elementary Statistics & Inference or STAT:3510 Biostatistics or STAT:4143 Intro to Statistical Methods*	3
CS:1020 Principles of Computing* or MSCI:1500 Business Computing Essentials*	2-3	Human Physiology and Lab (several options)	4-5
Electives	5	Electives	3-5
Subtotal	14-16	Subtotal	14-17

*Recommended, not required **Most students will need to completed Human Biology prior to Anatomy (based on academic strength)

Third Year – Junior (COM, Nuc Med Tech major)			
1st Semester Fall	s.h.	2nd Semester Spring	s.h.
RSNM:3120 Fundamentals of NM & PET	3	RSNM:3220 NM & PET Clinical Procedures	3
RSNM:3121 NM ClinIntern I (2/wk, TTh;16 wks;256 hrs)	3	RSNM:3221 NM ClinIntern II (2/wk, TTh;16 wks;256 hrs)	3
RSNM:3131 Radiopharmaceuticals	3	RSNM:3231 Instrumentation	3
RSP:3130 Radiation Safety & Radiobiology	2	RSP:3210 Medical Ethics & Law	2
RSP:2120 Patient Care for Radiation Sciences	3	RSCT:4100 Sectional Anatomy for Imaging Sciences	3
Subtotal	14	Subtotal	14

Third Year			
3rd Semester Summer	s.h.		
RSNM:3321 NM ClinIntern III (5/wk, M-F;12 wks;480 hrs)	6		
Subtotal	6		

Fourth Year – Senior (COM, Nuc Med Tech major)			
1st Semester Fall	s.h.	2nd Semester Spring	s.h.
RSNM:4121 NM ClinInternIV (3/wk,MWF;16 wks;384hrs)	4	RSNM:4221 NM ClinIntern V(3/wk,MWF;16 wks;384hrs)	4
RSP:4110 Research Methodologies for Rad Sci	3	RSNM:4222 NMT Capstone & Cert. Exam Prep.	6
RSCT:4130 CT Physical Principles & QC	4	RSP:3220 Rad Sci QM and Health Care Admin.	2
RSCT:4120 CT Procedures I	3		
Subtotal	14	Subtotal	12