NUCLEAR MEDICINE TECHNOLOGY (NMT)

Courses

NMT 090. Internship. 1-3 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

NMT 096. Special Topics. 1-18 Credits.
See Schedule of Course for specific title. Offered at department discretion.

NMT 152. Radiopharmaceuticals. 0-4 Credits.
The radiopharmacological aspects of nuclear medicine technology, including radiation physics, safety, tracer principles, dosimetry, and venipuncture. Prerequisite: MLRS 141. NMT students only.

NMT 153. Nuclear Med Clin Procedures I. 3 Credits.
Principles of diagnostic imaging procedures emphasizing the nuclear medicine technologist's role in patient care and preparation, radiopharmaceutical selection, image acquisition, and data processing and analysis. Prerequisites: ANPS 019, ANPS 020, and MLRS 141. Co-requisites: NMT 152 and NMT 163.

NMT 154. Nuclear Med Clin Procedures II. 3 Credits.

NMT 155. Instrumentation I. 3 Credits.
Nuclear medicine instrumentation, with emphasis on planar imaging devices, computer, and quality control; introduction to SPECT camera systems. Prerequisite: MLRS 141. Co-requisite: NMT 164.

NMT 156. Instrumentation II. 3 Credits.
Advanced nuclear medicine instrumentation with emphasis on state-of-the-art imaging devices including PET/CT and SPECT/CT. Prerequisite: NMT 155. Co-requisite: NMT 263.

NMT 160. Patient Care Seminar. 1 Credit.
Prepares the students of nuclear medicine technology with basic patient care techniques. NMT majors only. Co-requisites: NMT 164; NMT students only; Instructor permission.

NMT 162. Introduction to Clinical NMT. 1 Credit.
Clinical practicum designed to provide the student with an orientation to the clinical environment, with emphasis in radiation safety, patient care and communication. Prerequisite: MLRS 140. Co-requisites: MLRS 141, NMT students only.

NMT 163. Nuclear Med Clin Practicum I. 0 or 1 Credits.
Students observe, participate, and demonstrate competency in the clinical setting. Prerequisite: MLRS 141. Co-requisites: NMT 152, NMT 153.

NMT 164. Nuclear Med Clin Practicum II. 3 Credits.
Students participate in routine imaging procedures emphasizing patient care, positioning, and instrumentation. Prerequisites: NMT 163; Medical Radiation Science majors with Nuclear Medicine Technology concentration only. Co-requisite: NMT 174.

NMT 174. Nuclear Cardiology. 3 Credits.
Designed to provide the student a comprehensive understanding of the theory and principles of nuclear medicine cardiac imaging. Prerequisites: NMT 152, NMT 163. Co-requisite: NMT 164.

NMT 190. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

NMT 192. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

NMT 196. Special Topics. 1-18 Credits.
See Schedule of Course for specific title. Offered at department discretion.

NMT 197. Teaching Assistantship. 1-3 Credits.
Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

NMT 198. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

NMT 252. Senior Seminar. 2 Credits.
Course designed to consolidate, review, and enhance the principles and practice of nuclear medicine learned in previous courses through discussion and student presentations. Prerequisite: NMT 164. Co-requisite: NMT 263.

NMT 263. Adv Nuclear Med Clin Pract III. 3 Credits.
Experience in advanced clinical and pharmacological procedures. Prerequisites: NMT 164; Medical Radiation Science majors with Nuclear Medicine Technology concentration only. Co-requisites: NMT 154, NMT 156, NMT 252.

NMT 264. Clinical Practicum IV. 14 Credits.
Full-time clinical experience at an affiliated institution. NMT majors only. Prerequisite: NMT 263.

NMT 290. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.
NMT 292. **Independent Study. 1-18 Credits.**
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

NMT 296. **Advanced Special Topics. 1-18 Credits.**
See Schedule of Courses for specific titles. Offered at department discretion.

NMT 297. **Teaching Assistantship. 1-3 Credits.**
Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

NMT 298. **Undergraduate Research. 1-18 Credits.**
Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.