Nuclear Medicine Technology

Official Program Checksheet

Why Choose Nuclear Medicine Technology?

Ferris has the only University-based program in Michigan. Ferris graduates demonstrate excellent pass rates on national exams. The program is fully accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology. The program combines general education and specialized courses with clinical training.

Course work includes human anatomy and physiology, radiation and nuclear physics, and nuclear medicine theory and methods. Students spend the final two semesters in a hospital setting with emphasis on the clinical application of theory.

Graduates of this program are well prepared to work in the field of nuclear medicine, and are eligible to take the national certifying examinations for registry in nuclear medicine technology.

Career Opportunities

In nuclear medicine, radionuclides (unstable atoms that emit radiation spontaneously) are used to diagnose and treat disease. Nuclear medicine technologists administer these radiopharmaceuticals to patients, then monitor the characteristics and functions of tissues or organs in which they localize. Abnormal areas show higher or lower concentrations of radioactivity than normal.

Nuclear medicine technologists operate gamma scintillation cameras that detect and map the radioactive material in the patient's body to create an image. Nuclear medicine technologists explain test procedures to patients. They prepare a dosage of the radiopharmaceutical and administer it by injection or other means. Technologists then produce the images for a physician to interpret. Technologists adhere to safety standards to keep radiation doses to workers and patients as low as reasonably achievable.

Almost 8 out of 10 jobs are in hospitals. The rest are in specialized settings including imaging centers, radiopharmacies, and manufacturers. The national median annual base salary of full-time nuclear medicine technologists was $73,360 in 2015.

Admission Requirements

Students must be admitted to the university. To be qualified to enter the professional sequence of the program which starts in the summer semester students must have a minimum of a 2.5 GPA and a minimum grade of "C" in MATH 115 (or a math ACT subscore of 24 or higher), CHEM 114, BIOL 108, BIOL 205, PHYS 130, COHP 100, ENGL 150, communications foundation
course (COMM 105, 121, or 221), and one cultural enrichment course (minimum 3 credits) with no more than two attempts for each required course. See the program’s website for details.

To assure students of a quality technical education in classroom/lab and clinical practice, enrollment is limited. Students who meet or will have met the program's qualification criteria by the end of spring semester are required to apply to the program's professional sequence between January 15 and January 30 prior to the May professional sequence entry. Admission will be based upon date of qualification.

**General Education Requirements**

All University General Education requirements can be found here: [http://www.ferris.edu/HTMLS/academics/general-education/requirements/BA-BS.htm](http://www.ferris.edu/HTMLS/academics/general-education/requirements/BA-BS.htm)

Please consult this link for a complete listing of General Education Electives: [http://www.ferris.edu/HTMLS/academics/general-education/courses/index.htm](http://www.ferris.edu/HTMLS/academics/general-education/courses/index.htm)

Consult the official checksheet or program advisor for program specific General Education requirements.

**Graduation Requirements**

The eight-semester sequential course of study at Ferris leads to a Bachelor of Science degree. Graduation requires a minimum of 2.0 GPA overall. Students must earn a "C" or better in major and core courses and meet all general education requirements as outlined on the General Education website.

Ferris provides you an internship in the last two semesters of the program, although due to limited space, specific clinical site locations cannot be guaranteed. If a student interrupts progression in the professional sequence of the program, re-entry cannot be guaranteed due to space limitations in laboratory and clinical placement sites.

**More Information**

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American Society of Radiologic Technologists
15000 Central Ave., SE
Albuquerque, NM 87123-3917
www.asrt.org

The Society of Nuclear Medicine-Technologist Section
1850 Samuel Morse Drive
Reston, VA 22090
For information on certification:

Nuclear Medicine Technology Certification Board
3558 Habersham at Northlake, Building I
Tucker, GA 30084
www.nmtcb.org

Information on program accreditation:

Joint Review Committee on Educational Programs in Nuclear Medicine Technology
2000 W. Danforth Road, Suite 130, #203
Edmond, OK 73003
www.jrcnmt.org