

Nuclear Medicine

Careers



Nuclear medicine technology is a paramedical field concerned with the use of radioactive materials, primarily for the diagnosis of various pathological disease states and secondarily for the treatment of some specialized disorders. A nuclear medicine technologist (NMT) is a highly trained individual who has a solid background in mathematics and the physical, chemical and biological sciences. Under the supervision of a physician, the NMT is responsible for radiation safety, quality control, preparing and administering

the radiopharmaceuticals, performing imaging procedures, collecting and preparing biological specimens, performing special laboratory procedures and preparing data for interpretation by a physician.

The NMT works closely with other health professions and professionals within the medical community to provide quality patient care.

Job Outlook

Faster-than-average job growth will arise from an increase in the number of middle-aged and elderly persons, who are the primary users of diagnostic and treatment procedures.

The number of job openings each year will be relatively low because the occupation is small; technologists who also are trained in other diagnostic methods, such as radiologic technology, will have the best prospects.

Earnings

Median annual earnings of nuclear medicine technologists in 2006 were \$61,230 in general medical and surgical hospitals.

Related Programs

- Diagnostic Medical Sonography
- Radiologic Technology

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Educational Opportunities in Nuclear Medicine at LCCC

Associate of Technical Studies in Nuclear Medicine

This program is jointly offered by LCCC and the Nuclear Medicine Institute (NMI) at the University of Findlay, in Findlay, Ohio. Prior to the completion of the non-major courses, students must apply to NMI. At NMI, students complete coursework and clinical training, directly related to nuclear medicine technology. From the coursework and clinical training completed through NMI, 45 LCCC credit hours are awarded to complete the associate of technical studies degree. This program can be completed in two years, if taken on a full-time basis. Many LCCC students choose to study on a part-time basis. At NMI, students are enrolled in the certificate program for nuclear medicine technology. The program is fully accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRCNMT) and, upon successful completion; students are eligible to apply for a national certification exam offered in nuclear medicine technology.

Students in the NMI certificate program complete courses in math, physics, radiation protection radiobiology, radiochemistry and radiopharmaceuticals, nuclear medicine instrumentation and nuclear medicine procedures to just name a few.. In addition, students complete clinical training at affiliate NMI clinical training sites.

Related Educational Opportunities at LCCC

- Associate of applied science in diagnostic medical sonography
- Associate of applied science in radiologic technology

Other Educational Opportunities through LCCC's University Partnership

Youngstown State University

Bachelor of Science in Applied Science Major in Allied Health

The baccalaureate degree program leading to the bachelor of science in applied science with a major in allied health is intended to serve professional health-related, associate-degree graduates who wish to upgrade their academic credentials. The program provides students additional knowledge, skills, attitudes and values that will enhance their career mobility in the health-care setting. In addition, the degree program allows students to pursue further education at the graduate level. The program is based on a two-plus-two concept where the associate-degree courses provide the technical education for the first two years of the baccalaureate-degree program. Following graduation with an associate's degree, the student articulates directly into the plus-two component of the program. The plus-two component consists of a core of multi-disciplinary courses, a student-selected minor, and general University requirements.

Certificate in Health Care Management

The program accommodates students from health and human service professions who require the skills and abilities for supervisory/managerial positions or who desire competence in health promotion. The program is structured as a weekend-college program with classes offered Friday evenings and on Saturday during the day. After completion of an academic core of course work, students may concentrate in either health promotion or administration for health and human service professions.

Master of Health and Human Services

The program accommodates students from health and human service professions who require the skills and abilities for supervisory/managerial positions or who desire competence in health promotion. The program is structured as a weekend-college program with classes offered Friday evenings and on Saturday during the day. After completion of an academic core of course work, students may concentrate in either health promotion or administration for health and human service professions.

About Lorain County Community College

Lorain County Community College is one of Ohio's leading colleges delivering distance learning education via the Internet. The College has expanded its delivery of its programs and services through the opening of the Learning Center at St. Joseph Community Center in Lorain, the LCCC Wellington Center, Lorain County Growth Partnership in downtown Elyria and the Midpoint Campus Center in Brunswick. Partnerships with Lorain County's K-12 school districts have also led to important developments for the community. More than 1300 high school students participate in the Post Secondary Enrollment Options program by enrolling in LCCC classes, making LCCC the state's largest community college provider of PSEO. More than 35 percent of Lorain County's top high school graduates choose to attend LCCC.

LCCC is one of Ohio's fastest growing colleges because of the variety of learning opportunities it provides. Students can choose from more than 80 educational programs. Students can complete the first half — and sometimes more — of a bachelor's degree. The University Partnership brings eight universities to the LCCC campus offering 37 bachelor's and master's degree programs. With the University Partnership at LCCC, the College partners with the state's finest universities to bring the best in bachelor's and master's degree programs right to the LCCC campus. Students can earn degrees that get them jobs immediately. Students can upgrade, retrain and improve current life skills. Students can learn in the classroom, at home and over the Internet.

LCCC offers a complete college experience. We understand that there's more to college life than attending classes. We offer many of the programs, sports, and activities available at large four-year universities and colleges. But, students will not have to stand in line behind juniors and seniors in the classroom, on the playing field, or in leadership positions. Students can immediately act in a play, sing in a musical group, serve as editor for the college newspaper, plan social activities, compete on the playing field, or set policy as a student government member.

In addition to providing a great education for those who enter college with aspirations of a degree, LCCC helps those who have changed their career goals, who want to broaden their horizons, and who want to return to work. LCCC provides learning and training for those who want to move up but find they need new or improved skills for the kind of professional opportunities they seek.

LCCC faculty is recognized locally and nationally for their work as professors and in other areas. They all have advanced degrees and real-world experience and understand their primary responsibility at LCCC is to teach classes. Classes are small. Individual attention is plentiful.

An LCCC education, prepares students for real jobs and real futures. To find out more, call (800) 995-LCCC or visit LCCC's Connections Center, the Learning Center at St. Joseph Community Center in Lorain, the LCCC Learning Center in Wellington, the Lorain County Growth Partnership in downtown Elyria or the Midpoint Campus Center in Brunswick for all of your enrollment service needs, including admissions, registration, advising and counseling.



**Lorain County
Community College**



**The University
Partnership**

of Lorain County Community College

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