

Pre-Medical Imaging & Radiation Sciences

COLLEGE of HEALTH PROFESSIONS



Jefferson
Thomas Jefferson University



PROGRAM HIGHLIGHTS

You will build strong skills in critical thinking and problem solving through foundation courses in the sciences and liberal arts during the first two years of the program. Jefferson's academic advisors and faculty work closely with you on course selection and academic progress to support advancement into the professional phase of the program. Students who meet progression criteria are *guaranteed* matriculation into the professional phase of the program.

- Participate in co-curricular activities with students from other majors.
- Prepare for the future of work in one of the few academic programs in the U.S. offering a bachelor's degree in the field, and education in two concentrations. This curriculum is in line with recent trends showing a need for imaging and radiation sciences professionals to train in more than one concentration.

Jefferson is known for crossing disciplines to reimagine the way students learn with an approach that is collaborative and active; global; integrated with industry; focused on research across disciplines to foster innovation and discovery; and technology-enhanced. As a national doctoral research university, Jefferson delivers high-impact professional education in 160 undergraduate and graduate programs to 7,800 students in architecture, business, design, engineering, fashion and textiles, health, social science and science.

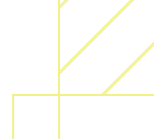
PRE-MEDICAL IMAGING & RADIATION SCIENCES

Prepare to be a confident and knowledgeable medical imaging and radiation sciences professional. Throughout the program, you will experience cutting-edge training with nationally-recognized faculty.

- In the professional phase, complete two concentrations – focusing on one per year.
- Practice in actual clinical environments in the first weeks of professional curriculum.
- Gain skills through clinical rotation options at over 100 clinical sites in a variety of environments in the tri-state area, such as major teaching hospitals, imaging centers, physician's offices and women's imaging centers.
- Communicate and work effectively with other healthcare professionals by experiencing Jefferson's system of interprofessional education.
- Learn flexibility and adaptability through collaborative projects conducted in innovative environments.
- Jefferson graduates boast 95-100% career placement rate since 1995, and have a 90-95% average pass rate on certification exams for all imaging concentrations.

Jefferson.edu/PreMIRS

Curriculum



YEAR

YEAR 1 + 2

PRE-PROFESSIONAL CURRICULUM

Hallmarks

- Pathways Seminar
- Writing Seminar I & II
- American Studies
- American or Global Diversity
- Global Citizenship
- Pre- or Introduction to Calculus

Sciences

- Concepts in Biology with Lab
- Chemistry I with Lab*
- Chemistry II with lab (optional)
- Physics I & II with Lab*
- Anatomy & Physiology I & II with Lab*

**Science prerequisites
(minimum "C" grade and 3.0 science GPA)*

Health Sciences Core

- Introduction to Health Professions
- Introduction to Healthcare
- Applied Statistics
- Medical Terminology
- Introduction to Psychology

Health Sciences Electives (3 credits) choose from

- Children's Health
- Women's Health
- Fitness & Wellness
- Nutrition
- Health, Law & Ethics
- Kinesiology
- Exercise Physiology
- Emergency Medical Technician

MEDICAL IMAGING & RADIATION SCIENCE PROFESSIONAL CURRICULUM

Students study **two concentrations**, one each in year 3 and year 4.

Each concentration is 12 months long. Each 40-hour week is comprised of didactic and clinical experiences. Faculty recommend that students study the concentration in which they are most interested in working during their second year. Refer to the list of concentration options below and learn more about them at Jefferson.edu/MedImagingConcentrations.

The curriculum will vary based on when you study a concentration. Students must consult an admissions counselor or a Radiologic Sciences faculty member when choosing concentrations, to determine which combination is the best option for your future career.

Areas of Concentration

- Radiography
- Nuclear Medicine
- Magnetic Resonance Imaging
- General Sonography

- Cardiac Sonography
- Vascular Sonography
- Radiation Therapy**
- Medical Dosimetry**

***Seats in this concentration are limited*



Jefferson
Thomas Jefferson University

Jefferson.edu/PreMIRS

East Falls Campus • 4201 Henry Avenue • Philadelphia, PA 19144 • 215-951-2943