

HEALTH SCIENCES: PRE-MEDICAL IMAGING/RADIATION SCIENCES (BS)

Contacts

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Campus: East Falls, Center City

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/health-professions/departments-programs/health-sciences/pre-medical-imaging-radiation-sciences.html>)

Program Description

At Jefferson, you will be treated as a professional from day one. In our stimulating and supportive environment, you will build a strong foundation in sciences and humanities, preparing you for success in upper-division courses in Medical Imaging and Radiation Sciences.

As a student in Pre-Medical Imaging and Radiation Sciences (Pre-MIRS) Program, you will complete two years of pre-professional coursework with other pre-medical and health students on Jefferson's East Falls Campus. In fall of your second year, you will select from five of the concentrations for Year 3. Options for Year 3 concentrations include: MRI, Radiography, Abdomen-extended and Ob/Gyn Sonography, Cardiac Sonography, and Vascular Sonography. Students who maintain progression criteria are guaranteed to matriculate into the professional phase. Jefferson's academic advisors and faculty work closely with our students on course selection and academic performance to ensure that each student is on pace to transition into the professional phase of the program.

Program Highlights

In our stimulating and supportive environment, you will build a strong foundation in sciences and humanities, preparing you for success in professional-level courses in Medical Imaging and Radiation Sciences.

Curriculum: 56-60 credits

• Years 1 & 2, pre-professional

Course	Title	Credits
First Year		
FYS 100	Pathways Seminar	1
AVIS 101	American Visions	3
WRIT 101	Writing Sem I: Written Comm.	3
WRIT 2XX	Multimedia Communication	3-4
MATH 102	Pre-Calculus (Intro Calc)	3
BIOL 112 & 112L	Core Concepts of Biology and Core Concepts of Biol Lab	4
HSCI 100	Intro to Health Professions	1
HSCI 230	Intro to Healthcare	2
CHEM 103 & 103L	Chemistry I and Chemistry I Lab ¹	4

Course	Title	Credits
PSYC 101	Intro to Psychology	3
Credits		27-28
Second Year		
ADIV/GDIV/GCIT	Diversity/Citizenship	3
ADIV/GDIV/GCIT	Diversity/Citizenship	3
HSCI 225	Applied Statistics	3
General Elective		1-3
HSCI 330	Medical Terminology	3
BIOL 201 & 201L	Human Anatomy and Physiology I and Human Anat & Physiology I Lab ¹	4
BIOL 202 & 202L	Human Anatomy & Physiology II and Human Anat & Physiology II Lab ¹	4
PHYC 111	Algebra-based PHYC I-Mech&Thermo ¹	4
PHYC 112	Algebra-Based PHYS II-Electrici ¹	4
Credits		29-31
Total Credits		56-59

¹ Science prerequisites

- All grades must be C or higher; AP credit accepted for non-science courses only
- Matriculation into professional program requires recommended minimum 3.0 cumulative GPA and recommended minimum 3.0 science GPA

Curriculum

• Professional Curriculum

Students who maintain progression criteria are guaranteed to matriculate into the professional phase. Students study two concentrations within Medical Imaging and Radiation Sciences, one each in Year 3 and Year 4, at the Jefferson - Center City Campus. The Professional Phase Program is full-time in Year 3 and Year 4. Full-time means Monday through Friday, fall, spring, and summer semesters. Students in Year 3 and Year 4 participate in classes, labs, and clinical experiences on a full-time basis during the entire fall, spring, and summer semesters. Students should include travel time to and from classes, labs, and clinical rotations, in addition to study and assignment time during Year 3 and Year 4.

Concentrations prepare students for success in a specific area of technological practice. We recommend that students study the concentration they are most interested in working in during Year 4. The only options for Pre-MIRS Professional Phase for Year 3 concentrations include: MRI, Radiography, Abdomen-extended and Ob/GYN Sonography, Cardiac Sonography, and Vascular Sonography. All pre-professional phase students must attend advisement sessions as scheduled during Year 1 and Year 2.