Rutgers University-Newark and the Rutgers School of Health Professions (Rutgers-SHP) offer a joint Bachelor of Science degree in Medical Imaging Sciences. Students choose one of the two programs: Cardiac Sonography and Diagnostic Medical Sonography. Students graduating with degrees in MIS become members of health care teams contributing to the diagnosis and treatment of disease. MIS majors are readily employed in a variety of health care, industrial, governmental, and educational settings.

Medical Imaging Sciences majors complete their prerequisite science and math courses at Rutgers University-Newark. They then apply to Rutgers-SHP in January for admission in September into one of four 15-month programs. Admissions are competitive and so not guaranteed. Minimum admissions requirements include an overall GPA of 2.85, with grades of C or better in all prerequisite science courses taken at Rutgers University-Newark. Students who transfer into Rutgers University-Newark must complete at least half their biology course credits at Rutgers University-Newark to qualify for the joint degree program.

**REQUIRED COURSES FOR MEDICAL IMAGING SCIENCE MAJORS**

All Medical Imaging Sciences majors must complete the following math and science courses (60 credits):

**Biology Courses**
- Concepts in Biology (120:200) (4)
- Foundations of Biology 1: Cell & Molecular Biology (120:201) (3)
- Foundations of Biology 1 Laboratory (120:202) (1)
- Foundations of Biology 2: Ecology & Evolution (120:205) (3)
- Foundations of Biology 2 Laboratory (120:206) (1)
- Comparative Anatomy of Vertebrates (120:285) (4)
- Mammalian Physiology (120:340 or NJIT BIOL 340) (4)
- Genetics (120:352) (3)

**Chemistry Courses**
- General Chemistry I (160:115) (4)
- General Chemistry I Lab (160:113) (1)
- General Chemistry II (160:116) (4)
- General Chemistry Lab (160:114) (1)
- Organic Chemistry I (160:335) (4)
- Organic Chemistry II (160:336) (4)
- Organic Chemistry Lab (160:331) (2)
Physics Courses
General Physics I (750:203) (4)
Introductory Physics Lab I (750:205) (1)
General Physics II (750:204) (4)
Introductory Physics Lab II (750:206) (1)

Math Courses
Pre-calculus (640:114) (4) or Calculus I (640:135) (4)
Statistics (640:211 or NJIT MATH 105) (3)

In addition, MIS majors must complete all of Rutgers University-Newark’s Core Curriculum requirements, including 2 Writing Intensive courses, before transferring to Rutgers-SHP. After being accepted into the MIS program, all students must complete the “Medical Terminology for the Imaging Professional” online course before beginning at Rutgers-SHP.

For more information about the Medical Imaging Sciences program, contact:

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