

CHECKLIST FOR JOINT-DEGREE MAJORS IN MEDICAL IMAGING SCIENCES (658)

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 2.850**, 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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