

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 at the end of May (Summer) or September (Fall) into one of the two 15-month programs. **Admissions are competitive** and are 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 credits*)
Foundations of Biology 1: Cell & Molecular Biology (120:201) (*3 credits*)
Foundations of Biology 1 Laboratory (120:202) (*1 credit*)
Foundations of Biology 2: Ecology & Evolution (120:205) (*3 credits*)
Foundations of Biology 2 Laboratory (120:206) (*1 credit*)
Comparative Anatomy of Vertebrates (NJIT BIOL 321) (*4 credits*)
Mammalian Physiology (120:340 or NJIT BIOL 340) (*4 credits*)
Genetics (120:352) (*3 credits*)

Chemistry Courses

General Chemistry I (160:115) (*4 credits*)
General Chemistry I Lab (160:113) (*1 credit*)
General Chemistry II (160:116) (*4 credits*)
General Chemistry Lab (160:114) (*1 credit*)
Organic Chemistry I (160:335) (*4 credits*)
Organic Chemistry II (160:336) (*4 credits*)
Organic Chemistry Lab (160:331) (*2 credits*)

Physics Courses

General Physics I (750:203) (4 credits)
Introductory Physics Lab I (750:205) (1 credit)
General Physics II (750:204) (4 credits)
Introductory Physics Lab II (750:206) (1 credit)

Math Courses

Pre-calculus (640:114) (4 credits) **or** Calculus I (640:135) (4 credits)
Statistics I (640:211) (3 credits)

College Requirements

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 (3 credits) before beginning at Rutgers-SHP.

Courses at Rutgers-School of Health Professions

Please refer to the Rutgers-SHP online catalog for a listing of the 40+ credits of professional courses you will take in Medical Imaging Sciences in your final 15-months at Rutgers-SHP.

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

Rutgers University-Newark

Yaw Appiah, MPA

Academic Advisor

Pre-Professional Services

Office of Academic Services Hill Hall 312

Phone: (973) 353-5800

Email: yba5@newark.rutgers.edu

Rutgers School of Health Professions

Stanley T. Ort, BHS, MS

Program Director: Cardiovascular Sonography

Department of Clinical Laboratory and Medical Imaging Sciences

School of Health Professions

Phone: (908) 889-2521

Email: stanley.ort@rutgers.edu

Garth S. Nanni, MS, RDMS, RVT

Program Director: Diagnostic Medical Sonography

Department of Clinical Laboratory and Medical Imaging Sciences

School of Health Professions

Phone: (908) 889-2468

Email: garth.nanni@rutgers.edu