CHECKLIST FOR MAJORS IN MEDICAL IMAGING SCIENCES (658)

The Department of Biological Science at 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 pre-requisite 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):

- Concepts in Biology (NJIT BIOL 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 (BIOL 205) (3)
- Foundations of Biology 2 Laboratory (BIOL 206) (1)
- Comparative Anatomy of Vertebrates (120:285) (4)
- Mammalian Physiology (120:340 or NJIT BIOL 340) (4)
- Genetics (120:352) (3)
- General Chemistry (160:115,116) (4,4)
- General Chemistry Lab (160:113,114) (1,1)
- Organic Chemistry (160:335-336) (4,4)
- Organic Chemistry Lab (160:331) (2)
- General Physics (750:203,204) (4,4)
- Introductory Physics Lab (750:205,206) (1,1)
- Pre-calculus (640:114) (4) or Calculus I (640:135) (4)
- Probability and Statistics (640:211 or NJIT MATH 105) (3)

In addition, MIS majors must complete all of Rutgers University-Newark’s “General Education” 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:

Dr. Tracy S. Tran  
Associate Professor  
Undergraduate Program Coordinator  
Department of Biological Sciences  
Rutgers University-Newark  
(973) 353-5542  
Email: tstran@rutgers.edu

Ms. Cynthia Silkowski, MAEd, RDMS, RVT  
Chairperson, Associate Professor  
Director, Diagnostic Medical Sonography  
Department of Medical Imaging Sciences  
Rutgers School of Health Professions  
(908) 889-2521  
Email: silkowcy@shp.rutgers.edu

For questions about General Education requirements at Rutgers University-Newark CAS, contact:

Sara Ouimet, Academic Advisor-Pre-Professional Services  
Office of Academic Services  
Hill Hall 312  
(973) 353-5800  
sara.ouimet@rutgers.edu

Rev. Feb 2018