

# CHECKLIST FOR MAJORS IN MEDICAL IMAGING SCIENCES (045)\*

\* FORMERLY "ALLIED HEALTH TECHNOLOGIES"

The Department of Biological Science at Rutgers-Newark and the University of Medicine and Dentistry of New Jersey, School of Health Related Professions (UMDNJ-SHRP) offer a joint Bachelor of Science degree in Medical Imaging Sciences. Students choose one of the four programs: **Cardiac Sonography, Diagnostic Medical Sonography, Nuclear Medicine or Vascular Technology**. 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-Newark. They then apply to UMDNJ-SHRP in January for admission in September into one of four 15-month programs at UMDNJ. **Admissions are competitive** and so not guaranteed. Minimum admissions requirements include an overall GPA of 2.75, including grades of C or better in all pre-requisite science courses taken at Rutgers-Newark. Students who transfer to Rutgers-Newark must complete at least half their biology credits at Rutgers-Newark to qualify for the joint degree program.

## REQUIRED COURSES FOR MEDICAL IMAGING SCIENCE MAJORS

All Medical Imaging Science majors must complete these math and science courses (59 credits):

Concepts in Biology (NJIT BIOL 200) (3)  
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 Vertebrate Anatomy (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) (3) or Calculus I (640:135) (4)  
Probability and Statistics (640:211 or NJIT MATH 105) (3)

In addition, MIS majors must complete the Writing Intensive requirement and all "General Education" requirements **before** transferring to UMDNJ.

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

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