

CHECKLIST FOR JOINT-DEGREE MAJOR IN CLINICAL LABORATORY SCIENCES (191) MEDICAL LABORATORY SCIENCES

Rutgers University-Newark and the Rutgers School of Health Professions (Rutgers-SHP) offer a joint Bachelor of Science degree program in Clinical Laboratory Sciences (CLS). CLS majors complete their prerequisite science and math courses at Rutgers University-Newark. They then apply to Rutgers-SHP by November 1st for admission into the **Medical Laboratory Sciences** program (15 months, May-Sept). **Admissions are competitive.** Minimum admissions requirements include an **overall GPA of 2.850**, with grades of C or better in all prerequisite science courses taken at Rutgers-Newark. Students who transfer into Rutgers University-Newark must complete at least **half** their biology **credits** at Rutgers University-Newark to qualify for the joint degree program.

CORE REQUIREMENTS FOR CLINICAL LABORATORY SCIENCE MAJORS

These courses are required of ALL Clinical Laboratory Science Majors (53 credits):

Biology Courses

Concepts of Biology (120:200) (4)
Foundations of Biology: Cell & Molecular Biology (120:201) (3)
Foundations of Biology Laboratory (120:202) (1)
Foundations of Biology: Ecology & Evolution (120:205) (3)
Foundations of Biology Laboratory (120:206) (1)
General Microbiology (120:335) (4)
Mammalian Physiology (120:340 or NJIT BIOL 340) (4)
Immunology (120:350) (3)
Cell Biology (120:355) (3)

Chemistry Courses

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

Math Courses

Pre-calculus (640:114) (4) *or* Calculus I (640:135) (4)
Probability and Statistics (640:211 *or* NJIT MATH 105) (3)

PROGRAM-SPECIFIC REQUIREMENTS (8 elective credits) -- SEE NEXT PAGE.
COLLEGE REQUIREMENTS

Writing Intensive Courses: Rutgers University-Newark College of Arts and Sciences (NCAS) requires *two* “writing intensive” courses. Please reach out to Mr. Appiah to discuss what courses can be used for the writing-intensive requirements. You must complete the WI requirements and all other “Core Curriculum” requirements *before* you transfer to the Rutgers School of Health Professions.

PROGRAM-SPECIFIC REQUIREMENTS

MEDICAL LABORATORY SCIENCES

Eight additional credits of science *electives* are required for Medical Laboratory Sciences. The following courses are *recommended*, but you can substitute other science electives with permission.

Genetics (120:352) (3)
Molecular Biology (120:356) (3)
Experimental Analytical Chemistry (160:227) (3)
General Physics (750:203,204) (4,4)
Introductory Physics Lab (750:205,206) (1,1)

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 Laboratory Sciences in your final 15 months at Rutgers-SHP.

<https://tinyurl.com/y4svudrb>.

For more information about the Clinical Laboratory Sciences program, please contact:

Rutgers University-Newark

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Rutgers School of Health Professions

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