

B.S. in Clinical Laboratory Sciences with a Concentration in Medical Laboratory Science		
MAJOR REQUIREMENTS/CLINICAL LAB SCIENCE CORE: 42 Credits (a)		Credits
	BY111: Anatomy and Physiology	4.0
	BY112: Anatomy and Physiology	4.0
	CE111: General Chemistry I	3.0
	CE111L: General Chemistry I Lab	1.0
	CE112: General Chemistry II	3.0
	CE112L: General Chemistry II Lab	1.0
	CE241: Organic Chemistry I	3.0
	CE241L: Organic Chemistry I Lab	2.0
	CE242: Organic Chemistry II	3.0
	CE310: Biochemistry and Lab	4.0
	BY110: Intro to Cell & Molecular Biology	4.0
	BY223: General Microbiology	4.0
	MA115: Introduction to Math Modeling (b)	3.0
	MA151: Statistics with Applications	3.0
CONCENTRATION REQUIREMENTS: 4 Credits (a)		Credits
	BY324: Applied Microbiology	4.0
PROFESSIONAL CREDITS: 44 Credits (a)		Credits
	Completion of 90 credits of pre-professional credits is followed by a 15-month internship at the University of Medicine and Dentistry of New Jersey, School of Health Related Professions.	44.0
FREE ELECTIVES: 2 Credits		Credits
		2.0
(a) Students who have not completed all core and concentration requirements with a "C" grade or better will be ineligible for admission to the required internship program at UMDNJ-SHRP.		
(b) May substitute MA116 or MA125, depending upon placement.		

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GENERAL EDUCATION REQUIREMENTS: 42 Credits		Credits
English	EN101: College English I	3.0
	EN102: College English II	3.0
Literature	EN201: Literature I	3.0
	EN202: Literature II	3.0
History	HS101: Western Civilization In World Perspective I	3.0
	HS102: Western Civilization In World Perspective II	3.0
Information Technology	IT102: Information Technology for Scientists	3.0
Critical Discourse	HU201: Critical Discourse	3.0
Science	Fulfilled in Major Requirements	0.0
Mathematics	Fulfilled in Requirements Outside Major	0.0
Social Science	Choose two courses from 2 different disciplines from among the following: any 100-level courses in AN, GO, PS, PY, SO; BE201, BE202, GS225.	3.0
		3.0
Aesthetics	AR101: Art Appreciation	3.0
	or MU101: Music Appreciation	
	or TH101: Theater Appreciation	
	or DA101: Dance Appreciation	
Cross Cultural	Two courses chosen from the set of approved courses	3.0
	or 6 credits in the same foreign language	3.0
Perspectives	PRxxx	3.0
Experiential Education	EX001 (Fulfilled in Professional Credits)	0.0
Demonstration of Writing Proficiency	WP001	0.0
Writing Intensive Requirement	Two courses as specified by the department in which the major is housed.	0.0
		0.0

TOTAL CREDITS FOR B.S. IN CLINICAL LAB SCIENCE WITH A CONCENTRATION IN MEDICAL LABORATORY SCIENCE = 134.0
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NOTES:

* 58 credits must be completed at the 200 level or higher.