



BACHELOR OF SCIENCE IN CLINICAL LABORATORY PATHWAY SAN DIEGO MIRAMAR COLLEGE

To earn a bachelor's degree from National University students must complete a minimum of 180 quarter units. Requirements include but are not limited to the university's general education program (to include upper division and cultural diversity), the preparatory courses listed below, major core coursework and any additional courses necessary to fulfill overall program requirements.

The table below maps National University's Foundation Clinical Laboratory courses to equivalencies identified at **SAN DIEGO MIRAMAR COLLEGE**.

Click [here](#) for NU and Community Colleges Articulation Agreement.

SAN DIEGO MIRAMAR COLLEGE	NATIONAL UNIVERSITY
Equivalent Transfer Course	Preparatory Courses Required
BIOL 210A INTRODUCTION TO THE BIOLOGICAL SCIENCES I	BIO 161 GENERAL BIOLOGY 1
BIOL 230 HUMAN ANATOMY & BIOL 235 HUMAN PHYSIOLOGY	BIO 201 HUMAN ANATOMY & PHYSIOL I & BIO 201A HUMAN ANATOMY & PHYSIOL LAB I
BIOL 205 GENERAL MICROBIOLOGY	BIO 203 INTRODUCTORY MICROBIOLOGY & BIO 203A LAB
CHEM 130 INTRODUCTION TO ORGANIC AND BIOLOGICAL CHEMISTRY & CHEM 130L INTRODUCTION TO ORGANIC AND BIOLOGICAL CHEMISTRY LABORATORY	CHE 150 INTRODUCTORY ORGANIC CHEMISTRY & CHE 150A INTRODUCTORY ORGANIC CHEM LAB
CHEM 200 GENERAL CHEMISTRY I – LECTURE	CHE 141 GENERAL CHEMISTRY 1
CHEM 200 GENERAL CHEMISTRY I – LECTURE & CHEM 200L GENERAL CHEMISTRY I – LABORATORY & CHEM 201 GENERAL CHEMISTRY II – LECTURE & CHEM 201L GENERAL CHEMISTRY II – LABORATORY	CHE 142 GENERAL CHEMISTRY 2
The completion of CHEM 231 ORGANIC CHEMISTRY I, may be considered by submitting a petition for academic policy exception.	CHE 350 ORGANIC CHEMISTRY I
PHYS 100 INTRODUCTORY PHYSICS	PHS 104 INTRODUCTORY PHYSICS

REQUIREMENTS FOR THE MAJOR

(11 courses; 45.5 quarter units)

BST 322 - Intro to Biomedical Statistics	
HSC 300 - Legal/Ethical Issues & Hlth Pr	
CLS 320 - Clinical Lab Management	
CLS 301 - Clinical Biochemistry	
CLS 401 - Quantitative Analysis	
CLS 305 - Clinical Immunology	
CLS 315 - Molecular Diagnostics	
CLS 310 - Clinical Virology	
CLS 405 - Clinical Microbiology	
CLS 410 - Clinical Hematology	
CLS 495 - Clinical Lab Science Capstone	

UPPER DIVISION ELECTIVES

(6 courses; 27 quarter units)

Students must complete a minimum of 27 quarter units of upper-division electives to fulfill the upper-division unit requirements for the B.S. in Clinical Laboratory Science. The following courses are strongly recommended:

COM 354 - Professional Presentations	
HSC 410 - Informatics for Health Profs	
HSC 400 - Management for Health Professionals	
HSC 310 - Issues & Trends in Healthcare	
HSC 420 - Healthcare Research	

Note: There requirements are subject to change. Please see National University's online General Catalog for official record of requirements for the year you are admitted.