

**MEDICAL LABORATORY SCIENCE
CURRICULUM SEQUENCE**



Freshman Year (First Semester)

CHEM 105 /150L (Honors 111/111L)	Principles of General Chemistry I	4
MATH 113	Intro to Mathematical Analysis I MQ*	4
ENGL 101	Freshman Composition I	3
ORNS 106	Freshman Orien for SCMNS Majors	1
XXXX	SB General Education Req.	3
TOTAL		15

Freshman Year (Second Semester)

BIOL 105 (Honors 111)	Introductory Biology for Majors I BP*	4
CHEM 106/106L (Honors 112/112L)	Principles of General Chemistry II	4
MATH 241	Calculus I (MQ)	4
ENGL 102	Freshman Composition II EC	3
MLS 113	Intro to Medical Laboratory Science	1
XXXX	PHYS. ED. Activity or FIN 101	1
XXXX	SB General Education Req.	3
TOTAL		20

Sophomore Year (Third Semester)

BIOL 106 (Honors BIOL 112)	Introductory Biology for Majors II	4
CHEM 201	Org Chem for Allied Health Science Major	4
INSS 141	Digital Lit. and Application Software	3
XXXX	AH General Education Req.	3
XXXX	CT General Education Req.	3
TOTAL		17

Sophomore Year (Fourth Semester)

MATH 114	Introduction to Mathematical Analysis II	4
CHEM 202	Biochemistry for Allied Health Sci Majors	4
XXXX	HH General Education Req.	3
XXXX	AH General Education Req.	3
TOTAL		14

Junior Year (Fifth Semester)

BIOL 405	Microbiology	4
HIST 350	Intro to the African Diaspora (CI)	3
MLS 321	Clinical Microscopy	2
BIOL 201	Anatomy and Physiology I	4
MLS 300	Principles of Medical Technology	3
TOTAL		16

Junior Year (Sixth Semester)

MLS 330	Clinical Immunoserology	4
MLS 305	Clinical Chemistry I	3
MLS 335	Pathogenic Bacteriology	4
MLS 320	Clinical Hematology I Lecture	3
MLS 331	Immunohematology I	3
TOTAL		17

Senior Year (Summer Semester)

MLS 410	Clinical Chemistry II	4
SCMNS TOTAL		4

Senior Year (Seventh Semester)

MLS 420	Clinical Hematology II	3
MLS 431	Immunohematology II	2
MLS 440	Clinical Microbiology	5
MLS 450	Medical Technology Seminar	1
MLS 470	Introduction to Molecular Diagnostics	2
TOTAL		13

Senior Year (Eighth Semester)

MLS 411	Clinical Practice: Chemistry	3
MLS 422	Clinical Practice: Hematology/Microscopy	3
MLS 432	Clinical Practice: Immunohematology/ Transfusion Medicine	3
MLS 441	Clinical Practice: Microbiology	3
MLS 480	Clinical Laboratory Science Review	1
SCMNS TOTAL		13