



### Medical Laboratory Sciences Suggested Degree Plan

Semester 1 (Spring) Courses	Credit hours
BIOL 1140/1140L <b>General Biology/Lab</b>	4 (GEN ED AREA 3 requirement 4 credits out of 4 credits required)
MATH 1220 <b>Algebra</b>	3 (GEN ED AREA 2 requirement 3 credits out of 3 credits required)
ENGL 1110	3 (GEN ED AREA 8 requirement 3 credits out of 6 credits required)
1 Humanities choice	3 (GEN ED AREA 5 requirement 3 credits out of 3 credits required)
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 13</b>
Semester 2 (Fall) Courses	Credit hours
CHEM 1215/1215L <b>Gen Chem1/lab</b>	4 ( <b>Pre-requisite:</b> MATH 1220) (GEN ED AREA 8 requirement 3 credits out of 6 credits required)
MATH 1350 <b>Statistics</b>	3
1 Second Language	3 (GEN ED AREA 6 requirement 3 credits out of 3 credits required)
ENGL 1120	3 (GEN ED AREA 1 requirement 3 credits out of 6 credits required)
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 13</b>

Semester 3(Spring) Courses	Credit hours
BIOL 2101/2103 (4) <b>Molecules to Cells</b> or BIOL 2110C (at CNM) <b>Cell Biology</b>	4
CHEM 1225/1225L <b>Gen Chem2/lab</b>	4
COMM 1130 or 2121 or ENGL 2210	3 (GEN ED AREA 1 requirement 3 credits out of 6 credits required)
1 Social choice	3 (GEN ED AREA 4 requirement 3 credits out of 3 credits required)
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 14</b>
Semester 4 (Fall) Courses	Credit hours
BIOL 2210 <b>A&amp;P I</b>	3 ( <b>Pre-requisite:</b> BIOL 1140 or 2110C and CHEM 1215/1215L)
BIOL 2305 <b>Microbiology</b>	4 ( <b>Pre-requisite:</b> BIOL 1140 or 2110 and CHEM 1215/1215L)
1 Diversity Course	3 (UNM Diversity requirement 3 credits out of 3 credits required)
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 10</b>
Semester 5(Spring) Courses	Credit hours
BIOL 2225 <b>A&amp;P II</b>	3 ( <b>Pre-requisite:</b> BIOL 2210)
CHEM 301/303L <b>O Chem I/Lab</b> Or Chem 2120 <b>Integrated Organic/Biochem</b>	4 ( <b>Pre-requisite:</b> CHEM 1225)
1 Fine Arts choice	3 (GEN ED AREA 7 requirement 3 credits out of 3 credits required)
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 10</b>

**NOTE:** MEDL courses for Med Lab Sciences program are only offered in the semester listed below. Students **CANNOT** take these courses if not accepted into the Med Lab Sciences program and all pre-requisite courses **MUST** be completed before starting the Med Lab Sciences Program.

<b>Semester 6 courses (Only offered in Fall)</b>	<b>Credit hours</b>
MEDL 310/311 Clinical Chemistry/lab	3/2
MEDL 410L Adv Clin Chemistry	3
MEDL 330/331L Intro to Microbiology/lab	3/2
MEDL 430/431L Adv Clin Microbiology/lab	3/2
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 18</b>
<b>Semester 7 courses (Only offered in Spring)</b>	<b>Credit hours</b>
MEDL 320/321L Hematology & Hemostasis/lab	4/2
MEDL 420L Adv Clin Hem & Hemostasis	3
MEDL 340L Immunohematology	2
MEDL 440L Adv Immunohematology	2
MEDL 432L Clinical Parasitology	2
MEDL 445 Clin Lab Management	2
	<b>TOTAL CREDIT HOURS FOR SEMESTER:17</b>
<b>Semester 8 courses (Only offered in Summer)</b>	<b>Credit hours</b>
MEDL 234 MLS Immunology	3
MEDL 300L Molecular Diagnostics & Applied Clinical Math	2
MEDL 315L Clinical Serology	2
MEDL 350L Clinical Urinalysis	2
	<b>TOTAL CREDIT HOURS FOR SEMESTER: 9</b>
<b>Semester 7 courses (Only offered in Spring or Fall)</b>	<b>Credit hours</b>
MEDL 351 Clinical Chemistry Rotation	3
MEDL 352 Clinical Hematology/ Hemostasis Rotation	3
MEDL 355 Urinalysis Rotation	1
MEDL 451 Clinical Advanced Chemistry Rotation	1
MEDL 452 Clinical Adv Hem/ Hemostasis Rotation	2
MEDL 453 Clinical Microbiology Rotation	5
MEDL 454 Clinical Immunohematology Rotation	4
	<b>TOTAL CREDIT HOURS FOR SEMESTER:19</b>

**Total minimum credits for BS MLS (includes 31 for GEN ED, 3 for Diversity, 26 for MLS prereqs (Chem 1215L also) and 63 for MLS program curriculum: 123**

Gen Ed Requirements: <https://gened.unm.edu/>