

# Suggested Sequence for Prerequisite Courses for Admission

## Medical Laboratory Science Program- Plan A & Plan B

*Students following Plan A may be eligible for MLS Fieldwork Courses in the Winter/Spring semesters.*

*Students following Plan B may be eligible for MLS Fieldwork Courses in the Summer/Fall semesters.*

(Students are also responsible for completing General Education Categories 1, 2, 6, 7, 8 and 9. Make sure that the courses you choose satisfy these categories.)

### Freshman Year – Fall Semester

Courses	Credits/Offering
BIOL 111A – Principles of Biology	4/FWSpSu
ENGL 111 – Composition 1	3/FW
Math 132A – Statistical Methods* (*Math 132B also acceptable)	4/FWSp
Gen Ed Electives	<u>6</u>
<b>Total =</b>	<b>17</b>

### Sophomore Year – Fall Semester

BIOL 232 – Phys & Anatomy I	4/FWSu
CHEM 112 – Gen Chem II Lec	4/FWSu
CHEM 112L – Gen Chem II Lab	1/FWSu
PHYS 150 – Physics for Hlth Sci	4/F
Gen Ed Electives	<u>3</u>
<b>Total =</b>	<b>16</b>

### Junior Year – Fall Semester

MLS 200 – Intro to MLS (no lab)	3/F
HS 201 – Intro to Health Research	3/FW
HS 430 Pathophysiology	4/FSp
HS 250 – Health Regs & Policy	<u>3/FWSu</u>
Gen Ed Elective	<u>3-6</u>
<b>Total =</b>	<b>16</b>

### Senior Year – Fall Semester

MLS 410 – Clin Immunology	3/F
MLS 420 – Clin Hem II	3/F
MLS 430 – Clin Immunochem II	2/F
MLS 440 – Clin Micro II	2/F
MLS 450 – Clin Chem II	2/F
MLS 460 – Prin of Lab Ops	2/F
MLS 470 – Clinical Lab I	1/F
MLS 475 – Clinical Lab II	1/F
<b>Total =</b>	<b>16</b>

### Freshman Year – Winter Semester

Courses	Credits/Offering
CHEM 111 – Gen Chemistry Lec	4/FWSpSu
CHEM 111L – Gen Chem Lab	1/FWSpSu
ENGL 212 – Topics in Crit Writing	3/FWSpSu
Gen Ed Electives	<u>6</u>
<b>Total =</b>	<b>14</b>

### Sophomore Year – Winter Semester

BIOL 233 – Phy & Anatomy II	3/FWSu
PHIL 205B – Prof Ethics:Hlth Care	3/FWSu
BIOL 237 - Intro to Micro	4/FWSu
CHEM 230 – Organic Chem I lec	4/FWSu
<b>Total =</b>	<b>14</b>

### Sophomore (or Junior) Spring Semester

\*CHEM 250 – Survey of Biochem 3/Sp

### Junior Year – Winter Semester

MLS 320 – Clin Hem I (lab)	3/W
MLS 330 – Clin Immunochem I (lab)	3/W
MLS 340 – Clin Micro I (lab)	3/W
MLS 350 – Clin Chem I (lab)	4/W
MLS 360 - Molecular Lab Diag	2/W
<b>Total =</b>	<b>15</b>

### Spring Semester

MLS 300 – Analysis Bdy Flds (lab) 2/Sp  
\*CHEM 250 – Survey of Biochem 3/Sp

### Senior Year – Winter/Spring Semesters (A) Or Summer/Fall Semesters (B)

#### Fieldwork Courses

MLS 491 Minor Rotations	3
MLS 492 Clinical Hematology	3
MLS 493 Clinical Immunochem	3
MLS 494 Clinical Microbiology	3
MLS 495 Clinical Chemistry	<u>3</u>
<b>Total =</b>	<b>15</b>

\*CHEM 250 is not required for admission to the MLS Program. It is only offered in Spring semester and may be taken prior to admission or during the professional courses.

**Total Credits Required for Degree = 128; GPA Requirements for Admission to the Professional Sequence = 2.75**