## FALL SEMESTER (13-16 credits) | SPRING SEMESTER (13 credits)
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**General Education Coursework** | **General Education Coursework** | **Credits** | **Credits**
ENGL 110C English Composition I | ENGL 211C, 221C or 231C English Comp II | 3 | 3
*MATH 102M College Algebra | *CHEM 121N/122N Foundations of Chemistry I | 4 | 4
*Biol 121N/122N General Biology I | *STAT 130M | 3 | 3
Human Creativity (or other Gen Ed) | Interpreting the Past (or other Gen Ed) | 3 | 3
CHEM 103 (if needed) |  |  | 

## YEAR 2 - SOPHOMORE (27 CREDITS)

### FALL SEMESTER (15 credits) | SPRING SEMESTER (12 credits) | Apply to MLS by Feb. 1st
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**General Education Coursework** | **General Education Coursework** | **Credits** | **Credits**
*CHEM 123N/124N Foundations of Chemistry II | *BIOL 251 Anatomy & Physiology II | 4 | 4
*BIOL 250 Anatomy & Physiology I | *CHEM 211/212 Organic Chemistry | 4 | 5
Human Behavior (or other Gen Ed) | Literature (or other Gen Ed) | 3 | 3
Information Literacy and Research (or other Gen Ed) |  | 3 | 
MLS 210 Orientation to Med. Tech. |  |  | 1

### FALL SEMESTER (16 credits) | SPRING SEMESTER (18 credits)
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**Major Coursework** | **Major Coursework** | **Major Coursework** | **Major Coursework** | **Credits**
MLS 307 Clinical Methods in Micro. | 2 | MLS 309 Medical Bacteriology | 3 | 
MLS 308 Clinical Microbiology | 3 | MLS 310/313 Urinalysis/Body Fluids | 2 | 
MLS 311/312 Hematology and Lab | 4 | MLS 319 Medical Bacteriology Methods | 2 | 
MLS 324 Clinical Instrumentation and Electronics | 3 | MLS 326/336 Immunohematology and Lab | 4 | 
MLS 325 Clinical Instrumentation Methods | 1 | MLS 327 Hemostasis | 1 | 
MLS 330/331 Clinical Immunology/Serology and lab | 3 | MLS 337 Advanced Hematology | 1 | 
MLS 320 Phlebotomy Methods | 2 | MLS 339/340 Parasitology/Mycology, Virology and Lab | 2 | 
MLS 454 Clinical Blood Bank Practicum | 4 | MLS 351 Clinical Biochemistry | 3 | 
MLS 458 Clinical Elective Practicum | 1 | **SUMMER SEMESTER (7 Credits)** | 
Can also be taken in summer before admission to program by permission of program director if space available.

### FALL SEMESTER (12 credits) | SPRING SEMESTER (15 credits)
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**Major Coursework** | **Major Coursework** | **Major Coursework** | **Major Coursework** | **Credits**
MLS 403W Mgm in a Clinical Setting | 3 | MLS 404 Clinical Hematology Practicum | 4 | 
MLS 440 Stat Applications and Data | 3 | MLS 406 Clinical Micro. Practicum | 5 | 
Philosophy and Ethics (Upperdivision General Education Requirement Option D) | 3 | MLS 452 Clinical Biochem Practicum | 5 | 
Impact of Technology (Upperdivision General Education Requirement Option D) | 3 | MLS 457 Medical Laboratory Science Seminar | 1 | 

### MATH/SCIENCE PLACEMENT INFORMATION:

**MATH 102M** requires Math SAT of 460 (OLD)/500 (NEW) or better or ACT of 24 or better. students who do not meet this criteria must enroll in **MATH 103M**

**STAT 130M** requires Math SAT of 460 (OLD)/500 (NEW) or better or ACT of 24 or better or credit for **MATH 101M or 102M or 103M**

**Biol 121N** requires placement into ENGL 110C (score of 3 on WSPT) or credit for **ENGL 110C and score of 460(OLD)/500(NEW) or higher on MATH SAT or score of 24 or higher on MATH ACT or credit for MATH 102M or 103M**

**CHEM 121N** requires placement into ENGL 110C (score of 3 on WSPT) or credit for **ENGL 110C and score of 460(OLD)/500(NEW) or higher on MATH SAT or score of 24 or higher on MATH ACT or credit for MATH 102M or 103M**

**CHEM 121N** requires credit for Math 102M or 103M with a grade of C or better OR placement into MATH 162M and one of the following: **CHEM 103 or CHEM 105N with a grade of C or better, Score of 3 or better on the Chemistry Placement Exam, Score of 80% or better on the Chemistry Review Modules Final Exam**

**PROGRAM ADMISSIONS REQUIREMENTS:** Students must complete the following courses prior to entering the Medical Laboratory Science Program: **Biol 121N/122N, Biol 250 & 251, Chem 121N/122N, Chem 123N/124N, Chem 211 & 212 and Stat 130M**. Program requirements must be completed with a C or better; C- is not acceptable. A grade of C (2.00) or better is required in all Medical Laboratory Science course work for continuance in the program.

**NOTE:** Option D satisfies the Upper Division General Education requirement by completing six (6) credits at the 300-400 level outside of the college of your major. Foreign language may be satisfied with 3 years of 1 or 2 years of 2 languages in high school; graduation from HS prior to 12/31/85, or with AA or AS Degree from VCCS.

**GRADUATION REQUIREMENTS:** Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a minimum of 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program for Old Dominion University, completion of ENGL 110C and ENGL 211C, 221C or 231C, and the writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.