Lower Division General Education and Departmental Requirements

**General Education Coursework:**

*ENGL 110C: English Composition I*  
ENGL 111  
*MATH 102M: College Algebra or MATH 162M: Precalculus*  
MTH 158 or 161 or 163  
*BIOI 121N/122N: General Biology I*  
BIO 101  
*CHEM 121N/122N: General Chemistry I*  
MTH 146, 155, 157, 240, 241, 242 or 245  
*CHEM 123N/124N: General Chemistry II*  
CHM 112  
*BIOI 250: Human Anatomy and Physiology I*  
BIO 141, 231 or NAS 161  
*BIOL 251: Human Anatomy and Physiology II*  
BIO 142, 232 or NAS 162

**Information Literacy and Research:**

VCCS Transfer Guide  
Interpreting the Past  
VCCS Transfer Guide  
Human Creativity  
VCCS Transfer Guide  
Human Behavior  
VCCS Transfer Guide  
Philosophy and Ethics  
VCCS Transfer Guide  
Literature  
VCCS Transfer Guide  
Language and Culture I  
VCCS Transfer Guide  
Language and Culture II  
VCCS Transfer Guide

*May be waived, see catalog for details*

### FALL SEMESTER (11 credits)

**Major Coursework:**

MLS 324 Clinical Instrumentation and Electronics  
MLS 330 Clinical Immunology/Serology  
Option D: Any six (6) credit hours of 300/400 level courses  
EXCEPT: CYTO, CHP, DNTH, ENVH, HLTH, MLS, NMD, NURS, PUBH. Must include an Impact of Technology “T” course unless lower division gen-eds satisfied by transferrable associates degree

**No VCCS Equivalency:**

MLS 310 Urinalysis and Body Fluids  
MLS 326 Immunohematology  
MLS 328 Advanced Hematology and Hemostasis  
MLS 351 Clinical Biochemistry  
MLS 340 Medical Parasitology, Mycology, and Virology

### SPRING SEMESTER (10 credits)

**Major Coursework:**

MLS 402 Survey of Clinical Molecular Techniques  
MLS 403W Management in the Clinical Setting  
MLS 440 Statistical Applications and Data Analysis in the Clinical Laboratory  
MLS 442 Clinical Microbiology Competencies  
MLS 443 Clinical Chemistry Competencies

**No VCCS Equivalency:**

MLS 457 Medical Laboratory Science Seminar

### SUMMER SEMESTER (7 credits)

**Major Coursework:**

MLS 309 Medical Bacteriology  
MLS 402 Survey of Clinical Molecular Techniques  
MLS 441 Clinical Hematology Competencies  
MLS 444 Clinical Blood Bank Competencies

### FALL SEMESTER (8 credits)

**Major Coursework:**

MLS 433 Management of Radiologic Science  
MLS 442 Clinical Microbiology Competencies  
MLS 443 Clinical Chemistry Competencies

**No VCCS Equivalency:**

*PROGRAM ADMISSIONS REQUIREMENTS:* Students must graduate from a formal accredited medical laboratory training program and be currently employed in a full service clinical laboratory. MLT certification is required for admission. All general education requirements and the following departmental requirements must be completed prior to entering the BSMLS MLT to MLS Degree Completion Program: BIOI 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 technology course work for continuance in the program. [https://online.odu.edu/programs/medical-laboratory-science](https://online.odu.edu/programs/medical-laboratory-science)

**NOTE:** 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.