

2025-2026 Old Dominion University Catalog
Bachelor of Science in Medical Laboratory Science
MLT to MLS Degree Completion (w/ VCCS Equivalencies)

Sample curriculum with a suggested ordering of courses. Students may re-order Lower Division General Education requirements as needed.

** indicates not automatically waived with transferrable associates degree, C or better required for transfer. Follow the Articulation Agreement for the Associate of Applied Science in Medical Laboratory Technology for ease of transfer (for a list of Articulation Agreements please visit www.odu.edu/transfer)*

Lower Division General Education and Departmental Requirements

<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
*ENGL 110C: English Composition I	ENG 111	*ENGL 211C or 231C: English Composition II	Transfer Equivalency Guide
*MATH 102M: College Algebra or MATH 162M: Precalculus	MTH 158 or 161 or 163	*CHEM 121N/122N: General Chemistry I	CHM 111
*BIOL 121N/122N: General Biology I	BIO 101	*STAT 130M: Statistics	MTH 146, 155, 157, 240, 241, 242 or 245
*CHEM 123N/124N: General Chemistry II	CHM 112	*CHEM 211 & 212: Organic Chemistry I lecture and lab	CHM 241 and 243 or 245
*BIOL 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	Transfer Equivalency Guide	Interpreting the Past	Transfer Equivalency Guide
Human Creativity	Transfer Equivalency Guide	Human Behavior	Transfer Equivalency Guide
Philosophy and Ethics	Transfer Equivalency Guide	Literature	Transfer Equivalency Guide
Language and Culture I (May be waived, see catalog for details)	Transfer Equivalency Guide	Language and Culture II (May be waived, see catalog for details)	Transfer Equivalency Guide

YEAR 1 - (28 CREDITS)

FALL SEMESTER (11 credits)

Major Coursework:

MLS 324 Clinical Chemistry I
 MLS 330 Clinical Immunology/Serology
 Option D satisfies the Upper Division General Education requirement by completing six (6) credits at the 300-400 level EXCEPT CSD, CYTO, CHP, DNTH, EXSC, ENVH, MLS, NMED, RT, PUBH.; Must include an Impact of Technology "T" course unless lower division gen-eds satisfied by transferrable associates degree.

No VCCS Equivalency:

SPRING SEMESTER (10 credits)

Major Coursework:

MLS 310 Urinalysis and Body Fluids
 MLS 326 Immunohematology
 MLS 328 Advanced Hematology and Hemostasis

 MLS 351 Clinical Chemistry II
 MLS 340 Medical Parasitology, Mycology, and Virology

No VCCS Equivalency:

SUMMER SEMESTER (7 Credits)

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

YEAR 2 - (9 CREDITS)

FALL SEMESTER (8 credits)

Major Coursework:

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:

SPRING SEMESTER (4 credits)

Major Coursework:

MLS 457 Medical Laboratory Science Seminar

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 complete prior to entering the BSMLS MLT to MLS Degree Completion 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 technology course work for continuance in the program. <https://online.odu.edu/programs/medical-laboratory-science>

NOTE: Option D satisfies the Upper Division General Education requirement by completing six (6) credits at the 300-400 level EXCEPT CSD, CYTO, CHP, DNTH, EXSC, ENVH, MLS, NMED, RT, PUBH.; Must include an Impact of Technology "T" course unless lower division gen-eds satisfied by transferrable associates degree. 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 or 231C, and the writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.