

2021-2022 Old Dominion University Catalog

Bachelor of Science in Medical Laboratory Science (w/ VCCS Equivalencies)

Sample four year curriculum with a suggested ordering of courses based on placement into MATH 102M. Students may re-order as needed.

** indicates not automatically waived with transferrable associates degree, C or better required for transfer. Courses in green are met by the completion of an Associate degree (Not eligible for Applied Associate degrees). AS in Health Science or Science recommended for ease of transfer.*

YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u> *ENGL 110C: English Composition I *MATH 102M College Algebra or MATH 162M Precalculus *BIOL 121N/122N: General Biology I Information Literacy and Research Language and Culture I (May be waived, see catalog for details)	<u>VCCS Equivalency:</u> ENG 111 MTH 158 or 161 or 163 BIO 101 VCCS Transfer Guide VCCS Transfer Guide	<u>General Education Coursework:</u> *ENGL 211C or 231C: English Composition II *CHEM 121N/122N: General Chemistry I Human Creativity Interpreting the Past Language and Culture II (May be waived, see catalog for details)	<u>VCCS Equivalency:</u> VCCS Transfer Guide CHM 111 VCCS Transfer Guide VCCS Transfer Guide VCCS Transfer Guide

YEAR 2 - SOPHOMORE (27 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (15 credits)		Application Deadline is February 1st!
<u>General Education Coursework:</u> *CHEM 123N/124N: General Chemistry II *BIOL 250: Human Anatomy and Physiology I Human Behavior Philosophy and Ethics	<u>VCCS Equivalency:</u> CHM 112 BIO 141, 231 or NAS 161 VCCS Transfer Guide VCCS Transfer Guide	<u>General Education Coursework:</u> *CHEM 211 & 212: Organic Chemistry I and lab *BIOL 251: Human Anatomy and Physiology II *STAT 130M: Statistics Literature	<u>VCCS Equivalency:</u> CHM 241 and 243 or 245 BIO 141, 231 or NAS 162 MTH 146, 155, 157, 240, 241, 242 or 245 VCCS Transfer Guide	

YEAR 3 - JUNIOR (42 CREDITS)

FALL SEMESTER (18 credits)		SPRING SEMESTER (18 credits)	
<u>Major Coursework:</u> MLS 210 Orientation to Medical Laboratory Science MLS 307 Clinical Methods in Microbiology MLS 308 Clinical Microbiology MLS 311/312 Hematology and Lab MLS 324 Clinical Instrumentation and Electronics MLS 325 Clinical Instrumentation Methods MLS 330/331 Clinical Immunology/Serology and lab MDTs 401: Molecular Diagnostics Laboratory	<u>No VCCS Equivalency:</u>	<u>Major Coursework:</u> MLS 309 Medical Bacteriology MLS 310/313 Urinalysis and Body Fluids/Diagnostic Methods in Urinalysis MLS 319 Medical Bacteriology Methods MLS 326/336 Immunohematology and Lab MLS 328 Advanced Hematology and Hemostasis MLS 339/340 Parasitology/Mycolgoy, Virology and Lab MLS 351 Clinical Biochemistry	<u>No VCCS Equivalency:</u>

SUMMER SEMESTER (6 Credits)

Can also be taken the summer before the program begins with permission of the program director, as space allows

<u>Major Coursework:</u> MLS 320 Blood Collection Techniques MLS 454 Clinical Blood Bank Practicum	<u>No VCCS Equivalency:</u>
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YEAR 4 - SENIOR (32 CREDITS)

FALL SEMESTER (12 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u> MLS 403W Mgmt in a Clinical Setting MLS 440 Stat Applications and Data Analysis in the Clinical Laboratory Option D: Option D satisfies the Upper Division General Education requirement by completing six (6) credits at the 300-400 level EXCEPT CYTO, CHP, DNTH, ENVH, HLTH, MLS, NMED, NURS, PUBH; Must include an Impact of Technology "T" course unless lower division gen-eds satisfied by transferrable associates degree.	<u>No VCCS Equivalency:</u>	<u>Major Coursework:</u> MLS 404 Clinical Hematology Practicum MLS 406 Clinical Micro. Practicum MLS 452 Clinical Biochem Practicum MLS 457 Medical Laboratory Science Seminar	<u>No VCCS Equivalency:</u>

***PROGRAM ADMISSIONS REQUIREMENTS:** Application deadline is February 1st for fall admission. Program prerequisites may be in progress at the time of application but 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 prerequisite 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://www.odu.edu/mdts/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.