

2018 - 2019 Old Dominion University Catalog

Bachelor of Science in Medical Laboratory Science

*Sample four year curriculum with a suggested ordering of courses based on placement into MATH 102M AND the completion of Language and Culture in High School.
Students may re-order as needed.*

YEAR 1 - FRESHMAN (26-29 CREDITS)

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

YEAR 2 - SOPHOMORE (27 CREDITS)

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

YEAR 3 - JUNIOR (41 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (18 credits)	
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 339/340 Parasitology/Mycology, Virology and Lab	2
		MLS 351 Clinical Biochemistry	3
		SUMMER SEMESTER (7 Credits)	
MLS 320 Phlebotomy Methods	2		
MLS 454 Clinical Blood Bank Practicum	4		
MLS 458 Clinical Elective Practicum	1		

Can also be taken in summer before admission to program by permission of program director if space available.

YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (12 credits)		SPRING SEMESTER (15 credits)	
Major Coursework:	Credits	Major Coursework:	Credits
MLS 403W Mgmt 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 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.