

United States Armed Forces / Old Dominion University
Military Pathway
Catalog Years 2024–2027
Bachelor of Science – Medical Laboratory Science (Degree Completion)

Requirements Potentially Met Outside Classroom

Military Course, Certification, Experience, or Exam	ODU Equivalent Course	Credits
Lower-Division General Education Requirements		
CLEP ^{1 2 3} College Composition (NOT Modular)	ENGL 110C English Composition	3
DSST Technical Writing	ENGL 231C Writing, Rhetoric, and Research: Special Topics	3
Instructor, career counselor, recruiter, or select specialties	Oral Communication requirement	3
CLEP College Algebra and DSST Principles of Statistics	MATH 102M College Algebra and STAT 130M Elementary Statistics	6
CLEP Foreign Languages or military linguist or DLIFLC grad	Language and Culture requirement ⁴	6
CLEP Any Social Sciences exam except Ed Psych	Human Behavior requirement	3
CLEP Any one of six History exams	Interpreting the Past requirement	3
CLEP American or Analyzing & Interpreting Literature	Literature requirement	3
CLEP Chemistry	CHEM 121N and 123N Foundations of Chemistry I & II (lecture only)	6
CLEP Biology	BIOL 121N and 122N General Biology I (lecture and lab)	4
Subtotal		40
Department or Major Requirements		
Medical laboratory specialties	MDTS 401 Molecular Diagnostics Laboratory	3
Medical laboratory specialties	MLS 210 Orientation to Medical Laboratory Science	1
Medical laboratory specialties	MLS 307 Clinical Methods in Microbiology	1
Medical laboratory specialties	MLS 308 Clinical Microbiology	2
Medical laboratory specialties	MLS 311 and 312 Hematology lecture and laboratory	4
Medical laboratory specialties	MLS 313 Diagnostic Methods in Urinalysis	1
Medical laboratory specialties	MLS 319 Medical Bacteriology Methods	2
Medical laboratory specialties	MLS 320 Blood Collection Techniques	2
Medical laboratory specialties	MLS 325 Clinical Instrumentation Methods	1
Medical laboratory specialties	MLS 331 Clinical Immunology/Serology Laboratory	1
Medical laboratory specialties	MLS 336 Immunohematology Laboratory	1
Medical laboratory specialties	MLS 339 Medical Parasitology and Mycology Laboratory	1
Medical laboratory specialties	MLS 404 Clinical Hematology Practicum	4
Medical laboratory specialties	MLS 406 Clinical Microbiology Practicum	5
Medical laboratory specialties	MLS 452 Clinical Biochemistry Practicum	5
Medical laboratory specialties	MLS 454 Clinical Blood Bank Practicum	4
Medical laboratory specialties	CHEM 212 Organic Chemistry laboratory	2
Medical specialties E6-E9	HLTH 120G Information Literacy for Health Professions	3
Select medical specialties	BIOL 250 and 251 Human Anatomy and Physiology I and II	8
Subtotal		51
Requirements Potentially Met Outside Classroom		91

¹ A passing CLEP or DSST examination score will satisfy the ODU requirement. See <https://clep.collegeboard.org/> and <https://www.odu.edu/academics/academic-records/score-analysis/clep-dantes> for details.

² A student may forego the CLEP or DSST option and satisfy the requirements by taking the actual courses. If a course is taken elsewhere check first for transfer equivalency here <https://transfer2.odu.edu/equivalency/>.

³ Modern States offers CLEP preparation here <https://modernstates.org/>.

⁴ ODU's Language and Culture requirement can be satisfied by three years of a foreign language or two years of two foreign languages in high school. Students whose native language is not English are exempt from taking a foreign language for general education.

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Requirements Met at ODU or Elsewhere

A minimum of 30 credits must be taken at ODU and 120 credits total to earn degree

Short Title	Course Title	Credits
Program Requirements		
MLS 309	Medical Bacteriology	3
MLS 310	Urinalysis and Body Fluids	1
MLS 324	Clinical Instrumentation	3
MLS 326	Immunohematology	3
MLS 328	Advanced Hematology and Hemostasis	2
MLS 330	Clinical Immunology/Serology	2
MLS 340	Medical Parasitology, Mycology, and Virology	1
MLS 351	Clinical Biochemistry	3
MLS 402	Survey of Clinical Molecular Techniques	2
MLS 403W	Management in the Clinical Setting	3
MLS 440	Statistical Applications and Data Analysis in the Clinical Laboratory	3
MLS 441	Clinical Hematology Competencies (waived if B or higher earned in MLS 328)	1
MLS 442	Clinical Microbiology Competencies (waived if B or higher earned in MLS 309 and 340)	1
MLS 443	Clinical Chemistry Competencies (waived if B or higher earned in MLS 324 and 351)	1
MLS 444	Clinical Blood Bank Competencies (waived if B or higher earned in MLS 326)	1
MLS 457	Medical Laboratory Science Seminar	1
CHEM 120 & 124N	Foundations of Chemistry I and II laboratories	2
CHEM 211	Organic Chemistry lecture	3
PHIL 345E	Bioethics (meets upper-division general education requirement)	3
Impact of Technology	Any 300- or 400-level T course except DNTH 440T (meets upper-division general education requirement)	3
Human Creativity	Human Creativity requirement	3
Requirements met at ODU or elsewhere		45
Total credits for degree		121-133

Next steps:

Submit application at <https://www.odu.edu/apply/applications>. Online students - use application fee waiver code provided by your ODUGlobal enrollment coordinator.

- Order your high school, college, CCAF, and/or joint service transcripts sent to admissions@odu.edu or Old Dominion University, Undergraduate Admissions, 1004 Alfred B. Rollins Jr. Hall, Norfolk, Virginia 23529-0050.
- Electronically sign your application.
- Monitor your application portal for status updates until an admission decision is made.
- Accept your admission offer and set up your ODU account/email as directed by Admissions.
- Complete orientation and meet with your academic advisor prior to course registration.
- Finalize your degree plan with your academic advisor based on this pathway.

Harold Riethman

7/26/24

Dr. Harold Riethman
Professor and Chair
Medical Diagnostic & Translational Sciences
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Bonnie Van Lunen 8.1.24

Dr. Bonnie Van Lunen
Interim Vice Provost
Academic Affairs
Old Dominion University