

College of The Albemarle: Associate of Applied Science in Medical Laboratory Technology Program  
**ODU Global (Old Dominion University): Bachelor of Science in Medical Laboratory Science**

**2024-2027 A.A.S. Transfer Agreement Guide**

| Complete at College of The Albemarle (COA)                                                                                                   |         |                                                                                       |         |       | Complete at ODU Global (ODU)                                                                        |         |       |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------|-------|-----------------------------------------------------------------------------------------------------|---------|-------|
| AAS DEGREE REQUIREMENT                                                                                                                       |         |                                                                                       |         |       | BACHELOR'S DEGREE REQUIREMENT                                                                       |         |       |
| COA Course                                                                                                                                   | Credits | ODU Equivalent Course                                                                 | Credits | Notes | ODU Course                                                                                          | Credits | Notes |
| MAT 152 Statistical Methods I                                                                                                                | 4       | STAT 130M Elementary Statistics                                                       | 3       | 1     | BIOL 121N General Biology I & BIOL 122N General Biology I Lab                                       | 4       | 6     |
| BIO 168 Anatomy & Physiology I & BIO 169 Anatomy & Physiology II                                                                             | 8       | BIOL 250 Human Anatomy & Physiology I and BIOL 251 Human Anatomy & Physiology II      | 8       | 2     | Math requirement: MATH 102M College Algebra or MATH 103M College Algebra w/Supplemental Instruction | 3       | 6     |
| ENG 111 Writing & Inquiry                                                                                                                    | 3       | ENGL 110C English Composition                                                         | 3       |       | CHEM 211 Organic Chemistry I                                                                        | 3       | 7     |
| CHM 130 Gen, Organic & Biochemistry and CHM 130A Gen, Organic & Biochemistry Lab                                                             | 4       | CHEM 107N Intro Organic & Biochemistry and CHEM 108N Intro Organic & Biochemistry Lab | 4       | 3     | Liberal Arts Requirement                                                                            | 12-15   | 4     |
| ENG 112 Writing/Research in the Disciplines                                                                                                  | 3       | ENGL 211C Writing, Rhetoric, & Research                                               | 3       |       | Upper Division General Education                                                                    | 6       | 8     |
| PSY 150 General Psychology                                                                                                                   | 3       | PSYC 201S Intro to Psychology                                                         | 3       |       | MLS 309 Medical Bacteriology                                                                        | 3       |       |
| CIS 111 Basic PC Literacy or CIS 110 Intro to Computers                                                                                      | 2-3     | CS 1ELE Computer Science Elective                                                     | 2       |       | MLS 310 Urinalysis and Body Fluids                                                                  | 1       |       |
| Humanities/Fine Arts Elective: ART 111, ART 114, ART 115, DRA 111, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 240, or HUM 115 | 3       | Liberal Arts Requirement or Elective                                                  | 3       | 4     | MLS 324 Clinical Instrumentation                                                                    | 3       |       |
| MLT 130 Clinical Chemistry                                                                                                                   | 4       | NS 1REQ Nature of Science Requirement                                                 | 4       |       | MLS 326 Immunohematology                                                                            | 3       |       |
| MLT 140 Intro to Microbiology                                                                                                                | 3       | BIOL 150 Introductory Microbiology                                                    | 3       |       | MLS 328 Advanced Hematology and Hemostasis                                                          | 2       |       |
| MLT 110, 111, 120, 220, 125, 240, 215                                                                                                        | 21      | HLTH 1 ELE or HLTH 2 ELE Health Electives                                             | 21      | 5     | MLS 330 Clinical Immunology/Serology                                                                | 2       |       |
| MLT 285 MLT Practicum II                                                                                                                     | 13      | No equivalency                                                                        | 0       |       | MLS 340 Medical Parasitology, Mycology, and Virology                                                | 1       |       |
| Additional Coursework to be Completed at COA:                                                                                                |         |                                                                                       |         |       | MLS 351 Clinical Biochemistry                                                                       | 3       |       |
| CHM 151 General Chemistry I                                                                                                                  | 4       | CHEM 121N/CHEM 122N                                                                   | 4       | 3     | MLS 402 Survey of Clinical Molecular Techniques                                                     | 2       |       |
| CHM 152 General Chemistry II                                                                                                                 | 4       | CHEM 123N/CHEM 124N                                                                   | 4       | 3     | MLS 403W Management in Clinical Setting                                                             | 3       |       |
| Optional Courses to be Completed at COA:                                                                                                     |         |                                                                                       |         |       | MLS 440 Statistical Applications & Data Analysis in the Clinical Laboratory                         | 3       |       |
| BIO 111 General Biology I                                                                                                                    | 4       | BIOL 121N/122N General Biology I & lab                                                | 4       | 6     | MLS 441 Clinical Hematology Competencies                                                            | 0-1     | 9     |
| MAT 171 Precalculus Algebra                                                                                                                  | 4       | MATH 162M Precalculus I                                                               | 3       | 6     | MLS 442 Clinical Microbiology Competencies                                                          | 0-1     | 9     |
|                                                                                                                                              |         |                                                                                       |         |       | MLS 443 Clinical Chemistry Competencies                                                             | 0-1     | 9     |
|                                                                                                                                              |         |                                                                                       |         |       | MLS 444 Clinical Blood Bank Competencies                                                            | 0-1     | 9     |

|                                |       |                                  |    |  |                                            |   |  |
|--------------------------------|-------|----------------------------------|----|--|--------------------------------------------|---|--|
| Total Credits Completed at COA | 87-88 | Total Credits Transferred to ODU | 72 |  | MLS 457 Medical Laboratory Science Seminar | 1 |  |
| CREDITS PRE-TRANSFER: 87-88    |       |                                  |    |  | CREDITS POST-TRANSFER: 55-62               |   |  |

## Numbered Notes:

- **Note 1: Statistics Requirement:** COA students are *directed* to select MAT 152 Statistical Methods as their math option at COA, as it satisfies the ODU MLS department's Statistics requirement.
- **Note 2: Anatomy & Physiology Requirement:** The MLT curriculum at COA requires BIO 163 Basic Anatomy & Physiology which transfers to ODU as a BIOL 1ELE Biology Elective. However, BIO 168 Anatomy & Physiology I & BIO 169 Anatomy & Physiology II are noted as being “accepted-must take both” as alternatives to BIO 163. COA students are *directed* to select the BIO 168 Anatomy & Physiology I and BIO 169 Anatomy & Physiology II option which will fulfill ODU MLS departmental requirements for Human Anatomy & Physiology.
- **Note 3: Chemistry Requirement.** The COA MLT curriculum requires CHM 130 General, Organic & Biochemistry and CHM 130A Lab, which transfer to ODU as CHEM 107N Intro to Organic & Biochemistry and CHEM 108N Lab. However, to fulfill ODU MLS departmental requirements, COA students are *directed* to take CHM 151 General Chemistry I and CHM 152 General Chemistry II. These will transfer to ODU as CHEM 121N/122N Foundations of Chemistry I & Lab and CHEM 123N/1 24N Foundations of Chemistry II & Lab.
- **Note 4: Liberal Arts Requirement.** ODU requires 15 credit hours in approved lower-division general education courses in Literature, Human Creativity, Philosophy and Ethics, Interpreting the Past, and Language and Culture. Courses for the Liberal Arts requirement may be taken at COA, ODU, and/or approved standardized examination (i.e., CLEP, DSST). Students are recommended to select one of the following Humanities/Fine Arts elective courses at COA, which will meet 3 credits towards ODU’s Liberal Arts requirement: ART 111 Art Appreciation, DRA 111 Theatre Appreciation, ENG 232 American Literature, ENG 242 British Literature, MUS 110 Music Appreciation, or PHI 240 Intro to Ethics.
- **Note 5: Transferability of MLT courses.** Credit hours from the Associate of Applied Science in Medical Laboratory program are used to satisfy the BSMLS major as academic electives.
- **Note 6: Optional Courses to be Completed at COA.** Students have the option to complete these approved courses at COA to meet the math and biology requirements for ODU’s MLS program.
- **Note 7: Lab Exemption.** CHEM 211 Organic Chemistry I and CHEM 212 I Laboratory are ODU MLS departmental requirements. However, COA students following this agreement are *exempt* from the CHEM 212 Organic Chemistry I Laboratory requirement and will only have to complete CHEM 211 Organic Chemistry I Lecture at ODU.
- **Note 8: Upper Division General Education.** Complete a minimum of 6 credits in approved courses at the upper division (300/400 level).
- **Note 9: Course Exemptions:** ODU’s MLS program courses 441, 442, 443, and 444 will be waived for students earning a B or higher in the respective subject related MLS program courses. Course exemptions outlined in this agreement may be revoked if a student is on probation or performance in MLT-to-MLS courses are not satisfactory i.e., a B or higher.

## General Notes:

- Completion of this transfer agreement guide alone does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions.
- **MLT Certification Requirement:** Applicants will be admitted for the BSMLS online degree completion program provisionally, contingent upon passing the Medical Laboratory Technician certification. If a student has not been working as an MLT, their competencies may need to be evaluated at clinical sites affiliated with the BSMLS program. For further clarification, please connect with an ODUGlobal Enrollment Coordinator at [healthsciencesonline@odu.edu](mailto:healthsciencesonline@odu.edu).
- Lower-Division General Education waiver and course substitutions are not automatic upon enrollment to ODU. Students must notify their ODU academic advisor for these to be processed upon verification.
- Grade of C or higher is required to receive transfer course credit from AAS courses.
- A minimum of 120 credit hours is required for graduation. Students must earn a minimum of 30 credits at Old Dominion University to be eligible for a degree.
- Course requirements listed in this agreement are based on the 2024-2025 catalogs for each institution and are valid until 2027, unless annual catalog curriculum changes or an updated agreement guide is created.
- **Students are encouraged to complete the Letter of Intent (LOI) to gain access to exclusive benefits, including pre-advising, coaching, and a waived application fee. Submit the LOI at <https://online.odu.edu/transfer-intent>.** Students may also contact [academicpartnerships@odu.edu](mailto:academicpartnerships@odu.edu) to participate in this transfer agreement and connect with an ODU enrollment coordinator for pre-admission advising.

Signed by:

Dr. Jack Bagwell

7/21/2025

Signature

Date

Dr. Jack Bagwell  
President  
College of the Albemarle

Signature

Date

Dr. Janice Hawkins  
Vice Provost for Academic Affairs  
Old Dominion University