

DELAWARE TECHNICAL & COMMUNITY COLLEGE

And

SALISBURY UNIVERSITY

PROGRAM ARTICULATION AGREEMENT

**Associate Degree
Medical Laboratory Technology**

**Baccalaureate Degree
Medical Laboratory Science**

November 2020 - November 2025

**ASSOCIATE-BACCALAUREATE PROGRAM
ARTICULATION AGREEMENT**

Between

**Delaware Technical & Community College
and
Salisbury University**

For

Medical Laboratory Technology/ Medical Laboratory Science

AGREEMENT

WHEREAS Delaware Technical & Community College and Salisbury University are committed to expanding education opportunities, and

WHEREAS the two institutions are committed to providing a smooth transition for students wishing to earn an associate degree and a baccalaureate degree, and

WHEREAS the intent of the two institutions is to avoid duplication of curricula where appropriate within articulated programs of students, and

WHEREAS the two institutions better serve the educational growth of students and the economic development of the community through cooperative educational planning and optimal utilization of community resources,

BE IT HEREWITH RESOLVED that this agreement commit the partners to full support of an articulation process between similar academic programs offered by the two institutions.

PROVISIONS OF THE AGREEMENT

1. This program articulation agreement applies to Delaware Tech's (DT) Associate Degree program in Medical Laboratory Technology and Salisbury University's (SU) Baccalaureate Degree program in Medical Laboratory Science.
2. The institutions agree to follow the joint program curriculum and course by course articulation delineated in this document.
3. Both educational institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.
4. Students graduating with an Associate Degree in Medical Laboratory Technology will be granted automatic admission to the Baccalaureate program in Clinical Laboratory Science/Medical Technology provided: (1) they are admitted to the University, (2) they have an overall GPA of 3.0, (3) they applied for admission to the SU Baccalaureate program in Medical Laboratory Science upon completion of their third semester of their Associate Degree program in Medical Laboratory Technology and (4) they have passed the Medical Laboratory Technician examination given by the American Society of Clinical Pathology (ASCP). Students who have not yet passed the ASCP exam or have earned less than a 3.0 GPA will not receive automatic admission but will be considered in the normal admission process.
5. All articulated course credits must be earned with at least a C to be accepted for transfer to Salisbury University according to the program matrix.
6. Credit without registration (CWR) will be awarded for courses so indicated on page 5 of this agreement to students graduating with a Baccalaureate Degree in Medical Laboratory Science at the end of their final semester of study at SU.
7. Students are subject to all the policies and procedures of both institutions.
8. Students are subject to all specific policies pertaining to students admitted to the Medical Laboratory Science Baccalaureate Degree program.
9. This articulation agreement is based on the present curricula contained in this document and it is effective for a period of five years from the date of signing by both parties. To be guaranteed automatic admission as described in item 4, students must have applied by Fall 2024 and been admitted for the Fall 2025 semester.
10. Each institution will review this agreement annually. If either institution has modified its program, it will notify the other.
11. Any substantial change to either program will initiate a re-negotiation of this agreement.

APPROVAL

This program articulation agreement is between Delaware Technical & Community College's Associate of Applied Science Degree in Medical Laboratory Technology and the Salisbury University Bachelor of Science Degree in Medical Laboratory Science.

Approval is granted for a period of five years effective on the date both parties have fully executed this agreement.

This agreement may be executed in any number of counterparts and all of such counterparts shall together constitute one and the same instrument. Delivery of an executed counterpart of a signature page of this Agreement in Portable Document Format (PDF) or by facsimile transmission shall be effective as delivery of a manually executed original counterpart of this Agreement.



Dr. Mark Brainard, President
Delaware Technical and Community College

12/2/2020
Date



Dr. Karen Olmstead, Provost and
Vice President for Academic Affairs
Salisbury University

12/17/20

Date

Justina M. Sapna
Justina Sapna (Nov 30, 2020 12:48 EST)

Justina Sapna, Vice President for
Academic Affairs
Delaware Technical and Community College

Nov 30, 2020
Date

Linda Collins
Linda Collins (Nov 30, 2020 15:20 EST)

Linda Collins, Department Chair,
MLT Program
Delaware Technical and Community College

Nov 30, 2020
Date

NAME: _____ Del. Tech. Connected Degree _____ ID#: _____ DATE: _____ January 2020 _____

GENERAL EDUCATION REQUIREMENTS

MEDICAL LABORATORY SCIENCE REQUIREMENTS

GROUP I – English and Literature - 2 COURSES)

A.	ENGLISH 103 (Grade of "C" or better)	4	ENG 101 & 102
B.	LITERATURE (in either English or Modern Languages)	4	SU

Group II – History (2 COURSES)

A.	HISTORY 101, 102, or 103	4	SU
B.	HISTORY 101, 102, 103 OR a History course above 103	4	SU

GROUP III – Humanities and Social Sciences - 3 COURSES

A.	Select one course from one of the following six areas: Art, Communication Dance OR Theatre, Modern Languages, Music, or Philosophy	4	SU
B.	Select one course from one of the following seven areas: Anthropology, Conflict Analysis and Dispute Resolution OR Sociology, Economics, Human Geography, Interdisciplinary Studies, Political Science, or Psychology	3	PSY 121
C.	Select one course from either Group IIIA or IIIB (course may not be from the same area selected for IIIA or IIIB)	3	SOC 213

GROUP IV – Natural Science, Math, and Computer Science - 4 COURSES

A.	BIOL 215 Anatomy and Physiology I	4	BIO 120
	CHEM 121 General Chemistry I	4	CHM 150
B.	CHEM 122 General Chemistry II	4	CHM 151
C.	MATH 155 Modern Statistics : MATH 100 College Algebra: A Modeling Approach taken at Del. Tech. as MAT 153 will be substituted for this requirement.	3	MAT 153

GROUP V – Health Fitness - 1 course

	PHEC 106 Personalized Health Fitness	3	SU
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ELECTIVES

	SSC 115 Research Methods	1	
	MLT 251 Pathogenic Microbiology	4	

FRESHMAN YEAR

BIOL	215	Anatomy and Physiology I (see group IV A)	
BIOL	216	Anatomy and Physiology II	4 BIO 122
CHEM	121	General Chemistry (see Group IVA)	
CHEM	122	General Chemistry (see Group IVB)	
MDTC	101	Lab Safety (or BIOL 115)	1 course sub

SOPHOMORE YEAR

BIOL	211	Microbiology	4 BIO 250
MATH	155	Modern Statistics (see group IV C)	

JUNIOR YEAR

MDTC	300	Principles of Medical Laboratory Science	4 course sub
MDTC	331	Diagnostic Immunology	4 MLT 260
MDTC	301	Hematology I	4 SU
MDTC	311	Clinical Microbiology I	4 SU

SENIOR YEAR

MDTC	401	Hematology II	3 SU
MDTC	411	Clinical Microbiology II	4 SU
MDTC	431	Introduction To Transfusion Services	3 SU
MDTC	441	Clinical Biochemistry II	4 SU
MDTC	402	Hematology III	3 CWR
MDTC	403	Urine and Body Fluids Analysis	1 CWR
MDTC	412	Clinical Microbiology III	3 CWR
MDTC	413	Clinical Immunology	1 CWR
MDTC	432	Clinical Transfusion Services	3 CWR
MDTC	442	Automated Clinical Chemistry	2 CWR
MDTC	443	Special Clinical Chemistry	3 SU
MDTC	461	Organization and Management	2 SU
MDTC	471	Clinical Seminar	1 SU

STUDENTS ACCEPTED INTO THE PROGRAM ARE EXPECTED TO COMPLETE ALL DEPARTMENT COURSES WITH A GRADE OF AC@ OR BETTER. ALL STUDENTS MUST COMPLETE A MINIMUM OF 30 HOURS AT THE 300/400 LEVELS WITH A GRADE OF AC@ OR BETTER.

Key- Aqua = courses taken at Salisbury University
 Yellow = courses taken at Delaware Technical and Community College
 Green = courses transferred as block credit from Delaware Technical and Community College



Connected Degree Curriculum
Suggested Course Sequence

ASSOCIATE DEGREE			BACHELOR=S DEGREE		
Medical Laboratory Technology			Medical Laboratory Science		
DELAWARE TECHNICAL AND COMMUNITY COLLEGE			SALISBURY UNIVERSITY		
FIRST SEMSTER (Fall)			SIXTH SEMESTER (Spring)		
SSC 100	First Year Seminar	1	MDTC 301	Hematology I	4
BIO 120	Anatomy and Physiology	5	MDTC 311	Clinical Microbiology I	4
CHM 150	Chemical Principles	5	MDTC 341	Clinical Biochemistry I	5
MAT 153	College Math & Statistics	4	HIST 101	World Civilization	4
MLT 120	Hematology I	4			
SECOND SEMESTER (Spring)			SEVENTH SEMESTER (Fall)		
BIO 121	Anatomy and Physiology II	5	MDTC 401	Hematology II	4
CHM 151	Chemical Principles II	5	MDTC 411	Clinical Microbiology II	4
ENG 101	Critical Thinking & Academic Writing	3	MDTC 431	Intro to Transfusion Services	3
MLT 121	Hematology II	4	MDTC 441	Clinical Biochemistry II	4
THIRD SEMESTER (Fall)			WINTER TERM		
BIO 250	Clinical Microbiology I	4	MDTC 443	Special Clinical Chemistry	3
MLT 220	Clinical Chemistry I	4			
ENG 102	Composition and Research	3	EIGHTH SEMESTER (Spring)		
PSY 121	General Psychology	3	GENE IB	Literature	4
MLT 260	Immunology	4	HIST 102 or 103 or other history above 103		4
FOURTH SEMESTER (Spring)			GENE IIIA	Humanities Course	4
MLT 221	Clinical Chemistry II	4	FTWL 106	Fitness and Wellness	3
MLT 251	Clinical Microbiology II	4	MDTC 461	Laboratory Organization and Management	2
MLT 261	Blood Banking	4	MDTC 471	Clinical Seminar	1
SOC 213	Ethical Issues in Health Care	3	For more information contact:		
FIFTH SEMESTER (Fall)			Dr. Diane Davis, Salisbury University		
MLT 291	Clinical Practicum	7	Medical Laboratory Science Program		
SSC 115	Research Methods	1	410-548-4787		
Course sequencing may vary by semester. See your advisor.			dldavis@salisbury.edu		

**Salisbury University - Delaware Technical and Community College Medical Laboratory Technology
Medical Laboratory Science Curriculum Agreement**

Date of Evaluation:	Student Name and ID	SH earned:	Transfer from:	How earned:	Post credit Senior yr	SH needed	SH>300 (Min = 30)
GENERAL EDUCATION AND MLS PRE-REQUISITE COURSES							
1A Composition	ENGL 103 English Composition	6	DTCC	ENG 101/102			
1B Literature	Literature- English or foreign language					4	
2A World Hist	HIST 101, 102 or 103 World Civ					4	
2B History	HIST 101, 102,103 or HIST above 103					4	
3A Humanity	Humanity					4	
3B Social Sci	Behavioral or Social Science	3	DTCC	SOCI 213			
3C Choice	One course (Humanity or Social Sci)	3	DTCC	PSYC121			
4A Lab Science	CHEM 121 General Chemistry 1	5	DTCC	CHEM150			
4B Sci/Math	CHEM 122 General Chemistry 2	5	DTCC	CHEM 151			
4A Lab Science	BIOL 215 Human Anatomy & Phys 1	5	DTCC	BIO 120			
Science Elective	BIOL 216 Human Anatomy & Phys 2	5	DTCC	BIO 121			
Science Elective	BIOL 211 General Microbiology	4	DTCC	BIO 250			
4C MATH	MATH 155 Statistics	4	DTCC	MAT 153			
5 Fit/Wellness	FTWL 106 Fitness and Wellness					3	
Medical Lab Science Didactic Courses							
MDTC 101	Laboratory Safety			DT courses	1		
MDTC 300	Principles of Medical Lab Science			DT courses	4		
MDTC 331	Immunology	4	DTCC	MLT 260			
MDTC 301	Hematology I					4	4
MDTC 311	Clinical Microbiology I					4	4
MDTC 341	Clinical Biochemistry I					5	5
MDTC 401	Hematology II					4	4
MDTC 411	Clinical Microbiology II					4	4
MDTC 431	Principles of Transfusion Services					3	3
MDTC 441	Clinical Biochemistry II					4	4
Medical Lab Science Clinical Rotation Courses							
MDTC 402	Hematology III			DT courses	3		
MDTC 403	Urine and Body Fluid Analysis			DT courses	1		
MDTC 412	Clinical Microbiology III			DT courses	3		
MDTC 413	Clinical Immunology			DT courses	1		
MDTC 432	Clinical Prac. Transfusion Services			DT courses	3		
MDTC 442	Automated Clin. Chemistry			DT courses	2		
MDTC 443	Special Clin. Chemistry					3	3
MDTC 461	Organization & Mgt					2	2
MDTC 471	Clinical Seminar					1	1
Electives to get to 120 total credits							
ELECTIVE	SSC 115 Research Methods	1	DTCC				
ELECTIVE	MLT 251 Pathogenic Microbiology	4	DTCC				
TOTAL							
	CREDITS TOWARD GRADUATION	49			18	53	34
	CREDITS FROM DTCC COURSES	18					
	CREDITS TAKEN AT SALISBURY U	53					
	TOTAL CREDITS BY GRADUATION	120					

Salisbury University Requirements for Completion of B.S. in Medical Lab Science General Education and Pre-professional Requirements	SH	Delaware Technical and Community College Fulfillment of SU Requirements Document via official transcript	SH
English 103	4	English 101 – Composition English 102 - Technical Writing and Communication	3 3
Literature	4	NOT FULFILLED- TO BE DONE AT SU	
History 101, 102 or 103	4		
History 101, 102 or 103 or history above 103	4		
Humanity Group IIIA	4		
Behavioral or Social Science Group IIIB	4	PSY 121 - General Psychology	3
Behavioral or Social Science Group IIIC	4	SOC 213 - Ethical Issues in Health Care	3
MATH 155 - Modern Statistics	3	MAT 153 (transfer as MATH 100 and substitute for MATH 155 requirement)	4
CHEM 121	4	CHM 150 - Chemical Principles I	5
CHEM 122	4	CHM 151 - Chemical Principles II	5
BIOL 215	4	BIO 120 - Anatomy and Physiology I	5
BIOL 216	4	BIO 121 - Anatomy and Physiology II	5
BIO 211	4	BIO 250 - Clinical Microbiology I	4
FTWL 106	3	NOT FULFILLED- TO BE DONE AT SU	

Salisbury University Requirements for Completion of B.S. in Medical Laboratory Science Major	SH	Delaware Technical and Community College Fulfillment	Documentation	Post Credit using Excel Form
Didactic Courses				
MDTC 101 - Lab Safety*	1	Completion of A.A.S. Degree in Medical Laboratory Technology	Official Transcript from Del.Tech. showing degree	1
MDTC 300 - Principles of Clinical Laboratory* Science	4	Completion of A.A.S. Degree in Medical Laboratory Technology (specific content for MDTC 300 is located throughout MLT 120, 121, 220, 221, and 251 - 20 semester hours of courses that do not transfer to SU)	Official Transcript from Del. Tech. showing degree	4
MDTC 331 - Diagnostic Immunology	4	Transfer MLT 260 - Immunology - 4 sh	Official Transcript showing course	
MDTC 301 - Hematology I	4	take at SU		
MDTC 311 - Clinical Microbiology I	4	take at SU		
MDTC 341 - Clinical Biochemistry I	5	take at SU		
MDTC 401 - Hematology II	3	take at SU		
MDTC 411 - Clinical Microbiology II	4	take at SU		
MDTC 431- Intro Transfusion Services	3	take at SU		
MDTC 441 - Clinical Biochemistry II	4	take at SU		
<p>*NOTE: 27 credits of the Del. Tech. curriculum will not directly transfer into SU simply due to lack of similar course equivalency. The elementary level material provided in MDTC 101 - Lab Safety and MDTC 300 - Principles of Medical Laboratory Science are satisfied by content provided in the following Del. Tech. courses: MLT 120/121: Hematology I and II; MLT 220/221 Clinical Chemistry I and II; MLT 251 Pathogenic Microbiology and CIS 107 Introduction to Computers and Applications (transfers as COSC 116)</p>				

Salisbury University Requirements for Completion of B.S. in Medical Laboratory Science Major	SH	Delaware Technical and Community College Fulfillment	Post Credit using Excel Form
Clinical Courses: Completion of A.A.S. Degree in Medical Laboratory Technology which includes MLT 291, a full semester long clinical practicum. The Del. Tech. clinical courses were designed years ago based on the SU clinical course model and include the same type of evaluation systems which include: Student technical checklists, student writing assignments, written examinations, oral journal report presentations, case study presentations, and student professional behaviors evaluation. In addition, some of the Del. Tech. experiences are longer in length than the SU clinical courses.			
MDTC 403 - Urine and Body Fluid Analysis (Clinical - 1 week)	1	The urine and body fluids portion of the practicum is one week long and includes competencies required in MDTC 403	1
MDTC 412 - Clinical Microbiology III (Clinical - 3 weeks)	3	The microbiology portion of the practicum is three weeks long and includes competencies required in MDTC 412	3
MDTC 413 - Clinical Immunology (Clinical - 1 week)	1	The immunology portion of the practicum is one week long and includes competencies required in MDTC 413	3
MDTC 432 - Clinical Transfusion Services (Clinical - 3 weeks)	3	The blood bank portion of the practicum is four weeks long and includes competencies required in MDTC 432	3
MDTC 442 - Automated Clinical Chemistry (Clinical - 2 weeks)	2	The Clinical Chemistry portion of the practicum is four weeks long and includes competencies required in MDTC 442	2
MDTC 443 - Special Clinical Chemistry (Clinical - 3 weeks)	3	take at SU	
MDTC 461 - Lab Organization/Mgmt	2	take at SU	
MDTC 471 - Clinical Seminar	1	take at SU	

Evaluated and approved

Diane Davis, Ph.D.

16 December 2020

Diane Davis, Ph.D., Program Director Salisbury University MLS Program

Date