

Cleveland State University  
College of Health

Associate of Applied Science: Medical Laboratory Technology Pathway to Bachelor of Science in Health Sciences

SUGGESTED SEQUENCE AT LAKELAND	
First Semester	Credits
BIOL 2210 Anatomy and Physiology I	4
CHEM 1100 Elementary Chemistry	4
FYEX 1000 First Year Experience	1
MDLT 2150 Hematology and Coagulation	5
MDLT 2151 Blood Collection Techniques	1
MDLT 2153 Urinalysis	1
MDLT 2153 Body Fluid Analysis	1
<b>Semester Total</b>	<b>17</b>
Second Semester	Credits
BIOL 2220 Anatomy and Physiology II	4
BIOL 2700 Microbiology	4
ENGL 1110 English Composition I	3
MDLT 2250 Clinical Immunology	3
MDLT 2350 Immunohematology	4
<b>Semester Total</b>	<b>18</b>
Summer Semester	Credits
CHEM 1150 Introduction to Organic Chemistry OR BIOS 2901 Clinical Molecular Diagnosis	4
PSYC 1500 Introduction to Psychology OR SOCY 1150 Principles of Sociology	3
<b>Semester Total</b>	<b>7</b>
Third Semester	Credits
COMM 1150 Fundamentals of Interpersonal Communications	2
MDLT 2550 Clinical Chemistry	5
MDLT 2650 Clinical Microbiology	5
<b>Semester Total</b>	<b>12</b>
Fourth Semester	Credits
MATH 1330 Statistics for the Health Sciences	3
MDLT 2750 Clinical Directed Practicum	6
MDLT 2850 Medical Laboratory Technology Seminar	2
<b>Semester Total</b>	<b>11</b>
<b>Associate of Applied Science Degree Awarded</b>	<b>65</b>

Honors courses are acceptable where available

**Pre-requisites:** College-ready in Math and English.

2 years of the same foreign language completed in high school

Students who do not meet these pre-requisites may need to complete additional credits.

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CSU DEGREE REQUIREMENTS	
<i>*Courses to be taken through CSU or Lakeland</i>	Credits
ENG 102 College Writing II (ENGL 1120 at LCC)	3
HSC 203 Medical Terminology (HLTH 1215 at LCC)	1
**Math	3
**Social Science (SS must be from different subject areas)	3
**Arts and Humanities (Cannot be from PHL)	3
General Elective	3
General Elective	3
General Elective	3
General Elective	3
<b>Total</b>	<b>25</b>

MUST BE TAKEN THROUGH CSU	
First Semester	Credits
PHL 240 Health Care Ethics	3
HSC 305 Culture and Health Care	3
Area of Emphasis Elective	3
Area of Emphasis Elective	3
Writing Across the Curriculum	3
<b>Semester Total</b>	<b>15</b>

Second Semester	Credits
Health Sciences Capstone	3
Writing Across the Curriculum-within major	3
Area of Emphasis Elective	3
Upper Division Elective	3
Upper Division Elective	3
HSC 499 Exit Evaluation	0
<b>Semester Total</b>	<b>15</b>
<b>Bachelor of Science in Health Science Awarded</b>	<b>120</b>

\*Once an associate degree is earned, additional courses taken at Lakeland may not be eligible for financial aid. Please see Financial Aid for details.

\*\* Refer to the transfer guide for Lakeland options:

<https://www.csuohio.edu/transfer-guides/lakelandcc-health>

A grade of C or higher is required in English Composition courses and all Health Science major requirements.

This map represents one example of how to complete the AAS and BSHS degrees. Students should work closely with counselors/advisors at both institutions to discuss options.

CSU requires a minimum of 120 total credit hours for graduation. At least 30 credits must be completed in-residence at CSU. At least 24 of the in-residence credits must be completed at the upper division (300/400) level. Students deficient in total credits or in-residence must take additional elective credits to meet the minimum requirements. Depending upon other elective choices made, students may not need as many general electives as indicated above or may need additional electives.