

Cleveland State University
College of Health

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

SUGGESTED SEQUENCE AT LCCC	
Fall Semester	Credits
^BIOG 161: Principles of Biology I	4
CLSC 111: Introduction to Clinical Laboratory Science Technology	2
CLSC 131: Introduction to Hematology	2
CLSC 132: Body Fluids and Urinalysis	2
CLSC 133: Hematology I/Urinalysis Clinical Practicum	3
SDEV 101: Intro to the LCCC Community	1
Semester Total	14
Spring Semester	Credits
^BIOG 162: Principles of Biology II OR ^BIOG 251: General Microbiology	4
CLSC 134: Advanced Hematology and Hemostasis	2
CLSC 135: Immunohematology Concepts & Procedures	2
CLSC 136: Hematology II/Immunohematology Clinic Practicum	3
^ENGL 161: College Composition I	3
Semester Total	14
Summer Semester	Credits
^MTHM 168: Statistics	3
Semester Total	3
Fall Semester	Credits
^CHMY 161: General, Organic and Biochemistry I	4
CLSC 213: Clinical Microbiology, Immunology and Serology	9
^PHLY 165: Bioethics	3
Semester Total	16
Spring Semester	Credits
^CHMY 162: General, Organic and Biochemistry II	4
CLSC 221: Clinical Chemistry	10
^SOCY 151G: Introduction to Sociology	3
Semester Total	17
Associate of Applied Science Degree Awarded	64

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.

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

This map represents one example of how to complete the AAS and BSHS degrees. Students should refer to the [LCCC Catalog](#) and [CSU Catalog](#) for requirements, course sequencing, and other degree information, as well as work closely with counselors/advisors at both institutions to discuss options. To further discuss the Bachelor of Science in Health Sciences requirement, please contact Cleveland State's College of Health Student Services office at COHadvising@csuohio.edu.

CSU DEGREE REQUIREMENTS	
*Courses to be taken through CSU or LCCC	Credits
^HSC 203: Med. Terminology (ALHN 110 or 112 at LCCC)	1
^ENG 102: College Writing II (ENGL 162 at LCCC)	3
**Math	3
**Social Science (cannot be from SOC)	3
**Arts and Humanities (cannot be from PHL)	3
General Electives	13
Total	26

MUST BE TAKEN THROUGH CSU	
First Semester	Credits
^HSC 305: Culture and Health Care	3
^Area of Emphasis Elective	3
^Area of Emphasis Elective	3
^Area of Emphasis Elective	3
^Writing Across the Curriculum	3
Semester Total	15

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
Semester Total	15
Bachelor of Science in Health Science Awarded	120

CSU will be changing General Education (Core Curriculum) requirements beginning Fall 2025. An updated pathway plan will be available as soon as possible.

** Students who do not complete the OT 36 should refer to the [transfer guide](#) for LCCC options to fulfill their General Education requirements. If 90 credits are transferred into CSU, the student will only need one Writing Across the Curriculum course.

^ A grade of C or higher is required in English Composition courses, Writing Across the Curriculum, and all Health Science major requirements. Up to 18 credits of CLSC courses with a C or higher will apply toward the major.

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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. A minimum of 18 credits toward the major must be completed through CSU coursework. 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.