

Clinical Laboratory Sciences (B.S.)

The program at Howard University provides course study in the areas of medical technology, biochemistry, hematology, clinical decision-making, and clinical laboratory management. A degree in Clinical Laboratory Science prepares graduates for employment opportunities in clinical, veterinary, and forensic laboratories; biotechnology and pharmaceutical industries; management, marketing, and biomedical sales.

Freshman Year First Semester

Item #	Title	Credits
	ENGW 101/102/104	3
MATH 006	College Algebra I	3
BIOL 101	General Biology Lec/Lab	4
AHCC 110	General Orientation	2
CLLS 101	Intro Clinical Lab Science	2
	Health Education Requirement (Options: Courses under subject code HHPL)	1
Sub-Total Credits		15

Freshman Year Second Semester

Item #	Title	Credits
	ENGW 103/105	3
BIOL 102	General Biology Lec/ Lab	4
	Behavioral Science Elective	3
CHEM 003	Gen Chemistry I	4
CHEM 005	Gen Chem Lab I	1
Sub-Total Credits		15

Sophomore Year First Semester

Item #	Title	Credits
	BIOL 200/310	4
CHEM 004	Gen Chemistry II	4
CHEM 006	General Chem Lab II	1
	African Diasporic Cluster	3
MATH 009	Intro to Statistics	4
Sub-Total Credits		16

Sophomore Year Second Semester

Item #	Title	Credits
CLLS 300	Basic Clinical Lab Techniques	2
HHPL 103	Physiology	3
AHCC 003	Medical Terminology	2
CHEM 141	Organic Chemistry I (Lecture)	3
	General Elective (Options: To be determined in consultation with advisor) (3)	3
Sub-Total Credits		13

Junior Year First Semester

Item #	Title	Credits
CLLS 307	Clinical Immunology	4
CLLS 308	Clin Diagnostic Microbiology I	5
CLLS 309	Clinical Biochemistry & Instrumentation	4
CLLS 415	Clinical Urinalysis and Body Fluids	3
Sub-Total Credits		20

Junior Year Second Semester

Item #	Title	Credits
CLLS 403	Clinical Hematology II	4
CLLS 409	Immunohematology	4
CLLS 310	Clinical Chemistry II	4
CLLS 416	Clinical Diagnostic Microbiology II	4
Sub-Total Credits		16

Senior Year First Semester

Item #	Title	Credits
CLLS 400	Molecular Diagnostics	3
CLLS 720	Research- WRTG	3
CLLS 408	Chemistry Practicum	4
CLLS 406	Microbiology Practicum	5
Sub-Total Credits		15

Senior Year Second Semester

Item #	Title	Credits
CLLS 411	Immunohematology Practicum	4
CLLS 404	Hematology/Urinalysis Practicum	4
CLLS 418	Clin Lab Mgmt Decision Making	2
Sub-Total Credits		10
Total credits:		120

Category Descriptions

ENGW 101/102/104

Choose between ENGW 101, ENGW 102, OR ENGW 104

Health Education Requirement (Options: Courses under subject code HHPL)

ENGW 103/105

Behavioral Science Elective

BIOL 200/310

Genetics Lec/Lab - BIOL 200

Cell Biology - BIOL 310

African Diasporic Cluster

African Studies Elective (Options: Courses under subject code 3
AFST)

General Elective (Options: To be determined in consultation with advisor) (3)