

BS in Clinical Laboratory Sciences Degree Plan (24-25 and 25-26)

Arkansas State University- Jonesboro

Clinical Laboratory Science

Bachelor of Science

Suggested Curriculum 2024-25 and 2025-26

Year 1 FALL (14)

CLS 1003 MLSC 11003	FYE Seminar
CHEM 1011 CHEM 14101	General Chemistry I Lab
CHEM 1013 CHEM 14103	General Chemistry I
MATH 1023 MATH 11003	College Algebra
BIO 2203 BIOL 24003	Human A&P I
BIO 2201 BIOL 24001	Human A&P I Lab

Year 1 SPRING (14)

ENG 1003 ENGL 10103	Composition I
CHEM 1021 CHEM 14201	General Chemistry II Lab
CHEM 1023 CHEM 14203	General Chemistry II
BIO 2223 BIOL 24103	Human A&P II
BIO 2221 BIOL 24101	Human A&P II Lab
3 credits	Social Science

Year 2 FALL (16)

CHEM 3003	Survey of Organic Chemistry
BIO 2103 BIOL 20003	Microbiology for NHP
BIO 2101 BIOL 20001	Microbiology for NHP Lab
3 credits	Humanities
3 credits	Fine Arts

Year 2 SPRING (15)

CLS 1511 MLSC 11541	Principles of CLS Lab*
CLS 1512 MLSC 11532	Principles of CLS*
3 credits	Elective
3 credits	US History or Government
3 credits	Social Science

ENG 1013	ENGL 10203	Composition II	3 credits	Fine Arts or Humanities
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Year 3 FALL (15)

CLS 2521	MLSC 22581	Hematology I Lab
CLS 2523	MLSC 22553	Hematology I
CLS 2541	MLSC 22541	Clinical Chemistry I Lab
CLS 2543	MLSC 22543	Clinical Chemistry I
CLS 2571	MLSC 22571	Immunology Lab
CLS 2573	MLSC 22573	Immunology I
HP 3123	HPMT 33103	Intro to Disease

Year 3 SPRING (13)

CLS 1531	MLSC 11531	Body Fluids Lab
CLS 1521	MLSC 21101	Body Fluids
CLS 2531	MLSC 22531	Medical Microbiology I Lab
CLS 2533	MLSC 22533	Medical Microbiology I
CLS 2561	MLSC 22561	Immunohematology I Lab
CLS 2563	MLSC 22563	Immunohematology I
CLS 3511	MLSC 42141	Parasitology Lab
CLS 3512	MLSC 42142	Parasitology

Year 3 SUMMER (8)

CLS 4173	MLSC 44173	Clinical Practicum I** (Clinical Chemistry)	
CLS 4183	MLSC 44183	Clinical Practicum II ** (Hematology)	
CLS 3112	MLSC 33102	Quality Management	(also offered in the fall)

Year 4 FALL (14)

CLS 4222	MLSC 44302	Senior Seminar I
CLS 4331	MLSC 44331	Immunohematology II Topics
CLS 4333	MLSC 44333	Immunohematology II
CLS 4441	MLSC 44441	Medical Microbiology II Topics
CLS 4443	MLSC 44443	Medical Microbiology II

Year 4 SPRING (17)

CLS 4232	MLSC 44232	Senior Seminar II
CLS 3221	MLSC 33201	Hematology II Topics/Lab
CLS 3223	MLSC 33203	Hematology II
CLS 4111	MLSC 44101	Clinical Chemistry II Topics
CLS 4113	MLSC 44103	Clinical Chemistry II

CLS 4194 MLSC 44194	Clinical Practicum III** (Medical Microbiology)	CLS 3153 MLSC 33153	Clinical Biochemistry
CLS 3112 MLSC 33102	Quality Management	CLS 4204 MLSC 44204	Clinical Practicum IV** (Blood Bank)

*A B or better in CLS 1511 and 1512 is required for admission into the program.

BS in CLS students must earn a C or better in all science and math courses, and in all CLS courses.

** Clinical Practicums can be taken in any order and are offered Fall, Spring, and Summer.

Upon completion of the curriculum, the student is awarded a baccalaureate degree in Clinical Laboratory Science. Award of this degree is not dependent upon passing the national certification examination offered by the American Society for Clinical Pathology.