

BS in Medical Laboratory Sciences Degree Plan (2026-27)

Arkansas State University- Jonesboro

Medical Laboratory Science

Bachelor of Science

Suggested Curriculum 2026-27

Year 1 FALL (14)

MLSC 11003	FYE Seminar
CHEM 14101	General Chemistry I Lab
CHEM 14103	General Chemistry I
MATH 11003	College Algebra
BIOL 24003	Human A&P I
BIOL 24001	Human A&P I Lab

Year 1 SPRING (14)

ENGL 10103	Composition I
CHEM 14201	General Chemistry II Lab
CHEM 14203	General Chemistry II
BIOL 24103	Human A&P II
BIOL 24101	Human A&P II Lab
3 credits	Social Science

Year 2 FALL (16)

CHEM 33003	Survey of Organic Chemistry
BIOL 20003	Microbiology for NHP
BIOL 20001	Microbiology for NHP Lab
3 credits	Humanities
3 credits	Fine Arts
ENGL 10203	Composition II

Year 2 SPRING (15)

MLSC 11541	Principles of CLS Lab*
MLSC 11532	Principles of CLS*
3 credits	Elective if needed
3 credits	US History or Government
3 credits	Social Science
3 credits	Fine Arts or Humanities

Year 3 FALL (15)

MLSC 22581	Hematology I Lab
MLSC 22553	Hematology I
MLSC 22541	Clinical Chemistry I Lab
MLSC 22543	Clinical Chemistry I
MLSC 15501	Basic Lab Operations Lab
MLSC 22573	Clinical Immunodiagnostics
HPMT 33103	Intro to Disease

Year 3 SPRING (13)

MLSC 11531	Body Fluids Lab
MLSC 21101	Body Fluids
MLSC 22531	Medical Microbiology I Lab
MLSC 22533	Medical Microbiology I
MLSC 22561	Immunohematology I Lab
MLSC 22563	Immunohematology I
MLSC 42141	Parasitology Lab
MLSC 42142	Parasitology

Year 3 SUMMER (6 or 8)

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

Year 4 FALL (13 or 15)

MLSC 44302	Senior Seminar I
MLSC 44334	Immunohematology II
MLSC 44444	Medical Microbiology II
MLSC 44193	Clinical Practicum III** (Medical Microbiology) or IV
MLSC 33102	Quality Management

Year 4 SPRING (16)

MLSC 44232	Senior Seminar II
MLSC 33204	Hematology II
MLSC 44104	Clinical Chemistry II
MLSC 33153	Clinical Biochemistry
MLSC 44203	Clinical Practicum IV** (Blood Bank) or III

*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 MLSC 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.

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