

AAS in Medical (Clinical) Lab Sciences Degree Plan (2026-27)

Arkansas State University- Jonesboro

Medical Laboratory Science

Associate of Applied Science

Suggested Curriculum 2026-27

Year 1 FALL

ENGL 10103	Composition I
CHEM 14101	General Chemistry I Lab
CHEM 14103	General Chemistry I
MATH 11003	College Algebra
3 credits	Computer Applications

Year 1 SPRING

ENGL 10203	Composition II
BIOL 20001	Microbiology Lab
BIOL 20003	Microbiology
BIOL 24101	Human A&P II Lab
BIOL 24103	Human A&P II
MLSC 11532	Principles of CLS*
MLSC 11541	Principles of CLS Lab*

Year 2 FALL

MLSC 22581	Hematology I Lab
MLSC 22553	Hematology I
MLSC 22541	Clinical Chemistry I Lab
MLSC 22543	Clinical Chemistry I

Year 2 SPRING

MLSC 11531	Body Fluids Lab
MLSC 21101	Body Fluids
MLSC 22531	Clinical Microbiology I Lab
MLSC 22533	Clinical Microbiology I

MLSC 15501	Basic Lab Operations Lab	MLSC 22561	Immunohematology I Lab
MLSC 22573	Clinical Immunodiagnostics	MLSC 22563	Immunohematology I
3 credits	US History/Government	MLSC 42141	Parasitology Lab
		MLSC 42142	Parasitology

Year 2 SUMMER with May
Interim (or Year 3 FALL)

MLSC 22533	Clinical Practicum I** (Clinical Chemistry)
MLSC 22543	Clinical Practicum II** (Hematology)
MLSC 33503	Clinical Practicum III** (Medical Microbiology)
MLSC 33603	Clinical Practicum IV** (Blood Bank)
MLSC 22551	MLT Seminar

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

AAS 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 an associate of applied science 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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