

**Arkansas State University- Jonesboro**  
**Clinical Laboratory Science**  
**Bachelor of Science**  
**Suggested Curriculum 2024-25**

Year 1 FALL

CLS 1003	FYE Seminar
CHEM 1011	General Chemistry I Lab
CHEM 1013	General Chemistry I
MATH 1023	College Algebra
BIO 2203	Human A&P I
BIO 2201	Human A&P I Lab

Year 1 SPRING

ENG 1003	Composition I
CHEM 1021	General Chemistry II Lab
CHEM 1023	General Chemistry II
BIO 2223	Human A&P II
BIO 2221	Human A&P II Lab
3 credits	Social Science

Year 2 FALL

CHEM 3003	Survey of Organic Chemistry
BIO 2103	Microbiology for NHP
BIO 2101	Microbiology for NHP Lab
3 credits	Humanities
3 credits	Fine Arts
ENG 1013	Composition II

Year 2 SPRING

CLS 1511	Principles of CLS Lab
CLS 1512	Principles of CLS
3 credits	Elective
3 credits	US History or Government
3 credits	Social Science
3 credits	Fine Arts or Humanities

Year 3 FALL

CLS 2521	Hematology I Lab
CLS 2523	Hematology I
CLS 2541	Clinical Chemistry I Lab
CLS 2543	Clinical Chemistry I
CLS 2571	Immunology Lab
CLS 2573	Immunology I
CLS 3343	Principles of Disease

Year 3 SPRING

CLS 3511	Parasitology Lab
CLS 3512	Parasitology
CLS 2531	Clinical Microbiology I Lab
CLS 2533	Clinical Microbiology I
CLS 1521	Body Fluids Lab
CLS 1531	Body Fluids
CLS 2561	Immunohematology I Lab
CLS 2563	Immunohematology I

Year 3 SUMMER I

CLS 4173	Clinical Practicum I
CLS 3112	Quality Management (10 weeks)

Year 3 SUMMER II

CLS 4183	Clinical Practicum II
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Year 4 FALL

CLS 4331	Immunohematology II Topics
CLS 4333	Immunohematology II
CLS 4222	Senior Seminar I
CLS 4194	Clinical Practicum III
CLS 4441	Medical Microbiology II Topics
CLS 4443	Medical Microbiology II

Year 4 SPRING

CLS 3221	Hematology II Topics
CLS 3223	Hematology II
CLS 4111	Clinical Chemistry II Topics
CLS 4113	Clinical Chemistry II
CLS 4232	Senior Seminar II
CLS 3153	Clinical Biochemistry
CLS 4204	Clinical Practicum IV

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.