

**Arkansas State University- Jonesboro**  
**Clinical Laboratory Science**  
**Bachelor of Science**  
**Suggested Curriculum 2018-19**

Year 1 FALL

ENG 1003 Composition I  
 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  
 CLS 1003 FYE Seminar

Year 1 SPRING

ENG 1013 Composition II  
 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 3101 Organic Chemistry I Lab  
 CHEM 3103 Organic Chemistry I  
 BIO 2101 Microbiology for NHP Lab  
 BIO 2103 Microbiology for NHP  
 3 credits Fine Arts  
 3 credits Literature/Philosophy

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

Year 3 FALL

CLS 2521 Hematology I Lab  
 CLS 2523 Hematology I  
 CLS 2531 Clinical Microbiology I Lab  
 CLS 2533 Clinical Microbiology 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 2541 Clinical Chemistry I Lab  
 CLS 2543 Clinical Chemistry I  
 CLS 1521 Body Fluids Lab  
 CLS 1531 Body Fluids  
 CLS 2561 Immunohematology I Lab  
 CLS 2563 Immunohematology I

Year 3 SUMMER I

CLS 4174 Clinical Practicum I

Year 3 SUMMER II

CLS 4184 Clinical Practicum II

Year 4 FALL

CLS 3221 Hematology II Lab  
 CLS 3223 Hematology II  
 CLS 4222 Senior Seminar I  
 CLS 4194 Clinical Practicum III  
 CLS 4111 Clinical Chemistry II Lab  
 CLS 4113 Clinical Chemistry II

Year 4 SPRING

CLS 4331 Immunohematology II Lab  
 CLS 4333 Immunohematology II  
 CLS 4441 Medical Microbiology II Lab  
 CLS 4443 Medical Microbiology 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.