**Arkansas State University- Jonesboro**

**Clinical Laboratory Science**

**Bachelor of Science**

**Suggested Curriculum 2016-17**

Year 1 FALL Year 1 SPRING

ENG 1003 Composition I ENG 1013 Composition II

CHEM 1011 General Chemistry I Lab CHEM 1021 General Chemistry II Lab

CHEM 1013 General Chemistry I CHEM 1023 General Chemistry II

MATH 1023 College Algebra BIO 2223 Human A&P II

BIO 2203 Human A&P I BIO 2221 Human A&P II Lab

BIO 2201 Human A&P I Lab 3 credits Social Science

CLS 1003 FYE Seminar

Year 2 FALL Year 2 SPRING

CHEM 3101 Organic Chemistry I Lab CLS 1511 Principles of CLS Lab

CHEM 3103 Organic Chemistry I CLS 1512 Principles of CLS

BIO 2101 Microbiology Lab CLS 3153 Clinical Biochemistry

BIO 2103 Microbiology 3 credits US History or Government

3 credits Fine Arts 3 credits Social Science

3 credits Literature/Philosophy 3 credits Fine Arts

Year 3 FALL Year 3 SPRING

CLS 2521 Hematology I Lab CLS 3511 Parasitology Lab

CLS 2523 Hematology I CLS 3512 Parasitology

CLS 2531 Clinical Microbiology I Lab CLS 2541 Clinical Chemistry I Lab

CLS 2533 Clinical Microbiology I CLS 2543 Clinical Chemistry I

CLS 2571 Immunology Lab CLS 1521 Body Fluids Lab

CLS 2573 Immunology I CLS 1531 Body Fluids

CLS 3343 Principles of Disease CLS 2561 Immunohematology I Lab

CLS 2563 Immunohematology I

Year 3 SUMMER I Year 3 SUMMER II

CLS 4174 Clinical Practicum I CLS 4184 Clinical Practicum II

Year 4 FALL Year 4 SPRING

CLS 3221 Hematology II Lab CLS 4331 Immunohematology II Lab

CLS 3223 Hematology II CLS 4333 Immunohematology II

CLS 3522 Clinical Lab Management CLS 4441 Medical Microbiology II Lab

CLS 4211 Clinical Lab Educational Roles CLS 4443 Medical Microbiology II

CLS 4111 Clinical Chemistry II Lab CLS 4013 Molecular Diagnostics

CLS 4113 Clinical Chemistry II CLS 3122 Research Concepts for CLS

CLS 4194 Clinical Practicum III 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.