



**MISSISSIPPI STATE UNIVERSITY™**  
DEPARTMENT OF  
BIOLOGICAL SCIENCES

**CLINICAL LABORATORY SCIENCES DEGREE (B.S.) Requirements – 124 Hours**

*(Must earn a “C” or higher in all Biology Courses)* Revised 04/2026

**Clinical Laboratory Sciences Requirements:**

Biology 1 w/lab - BIO 1134  
Human Anatomy w/lab - BIO 3004  
Parasitology w/lab - BIO 3303  
General Microbiology w/lab - BIO 3304  
Principles of Biochemistry - BCH 4013  
Human Genetics - BIO 4133  
Bioinstrumentation - BIO 4303  
Pathogenic Microbiology w/lab - BIO 4405  
Immunology - BIO 4413

**Additional Degree Requirements:**

Chemistry 1- CH 1213  
Invst in Chemistry 1 (lab)- CH 1211  
Chemistry 2- CH 1223  
Invst in Chemistry 2 (lab)- CH 1221  
Organic Chemistry 1- CH 4513  
Organic Chemistry 2- CH 4523

**Clinical Laboratory Sciences Internship Classes:**

*(Senior year at an affiliated hospital)*

Urinalysis - BIO 4602  
Clinical Microbiology - BIO 4612  
Special Topics - BIO 4612  
Serology/Immun. - BIO 4614  
Immunohematology - BIO 4624  
Hematology - BIO 4626  
Clinical Chemistry - BIO 4636

**University General Education Requirements:**

English Comp 1- EN 1103  
English Comp 2- EN 1113  
1 Literature Elective (see elective sheet)  
1 Fine Arts Elective (see elective sheet)  
1 History Elective (see elective sheet)  
*\* UAMS Internship requires the following: HI 1063 or HI 1073*  
1 Foreign Language (see elective sheet)  
*(must be the second level - ex. FLS 1123)*  
1 Fundamentals of Public Speaking (CO 1003) **(or)**  
Intro to Communication (CO 1013)  
2 Social Science Electives (see elective sheet)  
*(must be from two separate disciplines)*

**Mathematics Requirements:**

College Algebra - MA 1313\*  
Trigonometry- MA 1323\*\* **(or)**  
Statistics - ST 2113 or MA 2113\*\*

**General Electives *(any courses outside of degree requirements)***  
**(15-20 Hours)**

***(Do not take BIO 1004, BIO 1023, BIO 1123)***

\*Requires an ACT Math sub-score of 19+ or a grade of “C” or better in Intermediate Algebra (MA 0103)

\*\*Requires an ACT Math sub-score of 24+ or a grade of “C” or better in College Algebra (MA 1313)

**Information To Know:** Students apply to internships in the fall semester of their junior year. A competitive applicant will have a 2.75 GPA with a “C” or higher in all Chemistry, Biochemistry, Immunology, and Microbiology coursework.



## **COLLEGE OF ARTS & SCIENCES ELECTIVES**

### ***Course Options for Fine Arts, Humanities, Social/Behavioral Sciences, Foreign Language & Public Speaking***

Revised 12/2025

#### **FINE ARTS (ONE course required)**

- AAS 1103 African American Music
- ARC 1013 Architectural Appreciation
- ART 1013 Art History Pre-1300's
- ART 1023 Art History Post 1300's
- ART 1113 Art Appreciation
- ART 2063 Global Contemporary Art
- CO 1503 Introduction to the Theatre
- HON 3173 Honors Seminar in Fine Arts
- MU 1103 African American Music
- MU 1113 History and Appreciation of Music
- MU 1163 Introduction to Music in Film
- PE 1323 History and Appreciation of Dance

#### **HUMANITIES (ONE EN and ONE HI course required)**

- AAS 2363 Introduction to African American Literature  
*or* EN 2363 Introduction to African American Literature
- AAS 3013 African American History to 1865  
*or* HI 3013 African American History to 1865
- AAS 3023 African American History since 1865  
*or* HI 3023 African American History since 1865
- EN 2203 Introduction to Literature
- EN 2213 English Literature before 1800
- EN 2223 English Literature After 1800
- EN 2243 American Literature Before 1865
- EN 2253 American Literature After 1865
- EN 2273 World Literature Before 1600
- EN 2283 World Literature After 1600
- HI 1003 History of Science in Six Ideas
- HI 1013 History of Technology in Six Objects
- HI 1063 Early U.S. History
- HI 1073 Modern U.S. History
- HI 1163 World History Before 1500
- HI 1173 World History Since 1500
- HI 1213 Early Western World
- HI 1223 Modern Western World
- HI 1313 East Asian Civilizations to 1300
- HI 1323 East Asian Civilizations Since 1300
- HON 1163 The Quest Begins

#### **SOCIAL AND BEHAVIORAL SCIENCES**

##### **(TWO courses in different disciplines required)**

- AN 1103 Introduction to Anthropology
- AN 1143 Introduction to Cultural Anthropology
- AN 1543 Discovering Archaeology: Past Meets Present
- AN 2403 Introduction to the Study of Language  
*or* EN 2403 Introduction to the Study of Language
- CO 1223 Introduction to Communication Theory  
*or* CO 1403 Introduction to Mass Media
- DSCI 2013 Data Science Literacy
- EC 1033 Economics of Social Media  
*or* EC 2113 Principles of Macroeconomics  
*or* EC 2123 Principles of Microeconomics
- GR 1123 Introduction to World Geography
- GR 2013 Human Geography
- HON 1173 The West and the Wider World
- HON 3143 Honors Seminar in Social Science
- PS 1113 American Government
- PS 1313 Introduction to International Relations
- PS 1513 Comparative Government
- PSY 1013 General Psychology
- PSY 3073 Psychology of Interpersonal Relations
- SO 1003 Introduction to Sociology
- SO 1103 Contemporary Social Problems
- SO 1203 Sociology of Families

#### **FOREIGN LANGUAGE**

##### **(TWO semesters in one language required)**

- FLS 1113 and FLS 1123 Spanish I & II
- FLF 1113 and FLF 1123 French I & II
- FLG 1113 and FLG 1123 German I & II
- FLJ 1113 and FLJ 1123 Japanese I & II
- FLL 1113 and FLL 1123 Latin I & II
- FLR 1113 and FLR 1123 Russian I & II

#### **PUBLIC SPEAKING (ONE required)**

- CO 1003 Fundamentals of Public Speaking  
*OR*
- CO 1013 Introduction to Communication