

**B.S. MEDICAL LABORATORY SCIENCE (120 credits)**  
 Science, Mathematics and Computer Science Department  
 Revised July 2022

**A. CORE REQUIRED COURSES (39 Credits)**

ENGL 160 Composition/Rhetoric (3)	RST 112 (3)	PHIL 113 (3)
ENGL 180 World Literature (3)	RST Elective (3)	PHIL Elective (3)
ENGL Elective (3)	Modern Language I (3)	Global History (3)
Fine Arts Elective (3)	Modern Language II (3) or	History Elective (3)
Social Science Elective (3)	Elective (3)	

**B. REQUIRED MAJOR COURSES (39 Credits)**

**C. ELECTIVE MAJOR COURSES (choose 12 Credits)**

BIOL 150 + L General Biology I (4) (F) (SI)	BIOL 121 + L Anatomy & Physiology I (4) (F) (SI)
BIOL 151 + L General Biology II (4) (S) (SII)	BIOL 122 + L Anatomy & Physiology II (4) (S) (SII)
BIOL 235 + L General Microbiology (4) (F)	BIOL 300 + L Human Gross Anatomy (4) (F)
BIOL 332 + L Immunology (4) (S)	BIOL 301 + L Human Physiology (4) (S)
BIOL 440 + L Molecular & Cellular Biology (4) (S)	BIOL 401 Cell Culture (3) (F)
CHEM 131 + L General Chemistry I (4) (F) (SI)	BIOL 421 + L Biochemistry I (4) (F)
CHEM 132 + L General Chemistry II (4) (S) (SII)	BIOL 422 Biochemistry II (3) (S)
CHEM 221 + L Organic Chemistry I (4) (F)	BIOL 446 + L Genetics (4) (F)
CHEM 222 + L Organic Chemistry II (4) (S)	BIOL 498 Biology Internship (1, 2, or 3) (F/S)
*MATH 155 Statistics (3) (F/S) (SII)	BIOL 499 Independent Study (1, 2, or 3) (F/S)
	CHEM 313 Elements of Medicinal Chemistry (3)(S)
	CHEM 398 + L Chemical Analysis (3) (S)
	CHEM 498 Independent Study (1, 2, or 3) (3) (F/S)(SI, SII)
	CHEM 499 Independent Study (1, 2, or 3) (F/S)
	PHYS 303 + L General Physics I (4) (F)
	PHYS 304 + L General Physics II (4) (S)
	<b>D. MEDICAL LAB SCIENCE INTERNSHIP (30 Credits)</b>
	**Complete a minimum of a 30 credit internship at an accredited school of medical laboratory science in senior year**

Math Placement Test: all students must take this test unless they have AP or dual enrollment credits which meet **all** required courses for the major.

< 40: must take MATH 095 before any other math course (credits do not count towards graduation)

≥40: eligible for MATH 155, MATH 160 (pre-requisite course for MATH 211)

≥75: eligible for all math courses including MATH 211 (Calculus I)

\*you may need to take MATH 095 prior to taking MATH 155 requirement depending on Math Placement Test

One or two semesters of required Modern Language depends on Foreign Language Placement Exam.

F: fall semester; S: spring semester; SI: summer I semester; SII; summer II semester; F/S: fall or spring semester