

BIOLOGICAL SCIENCES

BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCE

Arkansas Tech University, in affiliation with approved schools of medical technology, offers a four-year program leading to the bachelor of science degree and to certification as a medical laboratory scientist. The affiliated schools of medical laboratory science are accredited by the Council on Medical Education and Hospitals of the American Medical Association.

The first three years of the curriculum are taught on the Tech campus and the fourth (professional) year is taught at one of the affiliated schools of medical technology. Admission to the professional year is on a competitive basis, and students must meet the admission standards of the medical laboratory science school.

Personnel with Medical Technology Affiliated Institutions

Baptist Health College, Little Rock, Arkansas: Jennie Manees, M.P.H., MT (ASCP), Program Director, School of Medical Laboratory Science.

Mercy Hospital School of Medical Laboratory Science, Joplin, Missouri. Southeast Health College of Nursing and Health Sciences, Cape Girardeau, Missouri: Lea White, B.B., M.T. (ASCP), M.L.S. Clinical Coordinator. Karen Adkins, MA ED, MT (ASCP), Program Director, School of Medical Laboratory Science.

To qualify for the bachelor of science degree, the student must satisfactorily complete at least 82 credit-hours specified in the curriculum below and be accepted by one of our affiliated schools of medical laboratory science, listed above, for the senior year. During their senior (professional) year of residency (52 weeks of class) at one of the affiliated schools of medical laboratory science, successful candidates will complete 38 to 40 credit hours for a total of at least 120 credit hours. This experience is an all or nothing situation where the student must satisfactorily complete the entire program to bring any of the credit toward this degree.

Tuition and fees for courses taken the senior year at one of the affiliated medical laboratory science schools will be assessed at the current rate charged by the affiliated school and are payable to Arkansas Tech University. Financial aid and scholarship arrangements are also made by Tech; however, students are also encouraged to contact the affiliated medical laboratory science schools for possible additional opportunities.

Upon successful completion of the final year at an affiliated medical laboratory science school, a student is eligible for a bachelor of science degree, as well as being eligible to write the National Board Examination for licensure. This examination is given at various times throughout the year by the Board of Registry of the American Society of Clinical Pathologists.

Curriculum

The matrix below is a sample plan for all coursework required for this program.

Freshman

Fall	Credits
ENGL 1013 Composition I ¹	3
SS 1XXX Social Science Courses ¹	3
BIOL 1011 Orientation to the Biological Sciences	3
BIOL 1114 Principles of Biology	4
MATH 1113 College Algebra	3
Total Hours	14

Spring	Credits
ENGL 1023 Composition II ¹	3
SS 1XXX Social Science Courses ¹	3
AHS 2013 Medical Terminology	3
CHEM 2124 General Chemistry I and CHEM 2120 General Chemistry I Lab	4

Spring	Credits
Total Hours	13

Sophomore

Fall	Credits
USHG 1XXX U. S. History and GovernmentU. S. History and Government ¹	3
SP 1XXX Speech Communication Courses ¹	3
BIOL 3054 Microbiology	4
CHEM 2134 General Chemistry II and CHEM 2130 General Chemistry II Lab	4
Total Hours	14

Spring	Credits
STAT 2163 Introduction to Statistical Methods or PSY 2053 Statistics for the Behavioral Sciences	3
BIOL 2014 Human Anatomy	4
CHEM 3254 Fundamentals of Organic Chemistry	4
General Electives	2-3
Total Hours	13-14

Junior

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses ¹	3
BIOL 3074 Human Physiology	4
BIOL Elective	3-4
CHEM Elective	4-5
Total Hours	14-16

Spring	Credits
FAH 1XXX Fine Arts and Humanities Courses ¹	3
BIOL Elective	3-4
CHEM Elective	4-5
General Elective	2-3

Spring	Credits
Total Hours	12-15

Senior

Fall	Credits
Condensed course category - final year completed off-campus at one of our affiliated schools of medical laboratory science.	
MLS 4001 Professional Coursework-9	38
Professional coursework meeting all requirements of the affiliated medical laboratory science school	
Total Hours	38

Spring	Credits
Total Hours	

¹See appropriate alternatives or substitutions in "General Education Requirements".