MEDICAL LAB SCIENCE (3+1) (BS)

Description

The B.S. in medical technology (3 + 1 program) prepares students for a career that plays an important role in the detection, diagnosis, and treatment of disease. Medical technologists examine and analyze body fluids and cells, usually in a laboratory setting. This degree is awarded by the University of Mississippi through a contractual agreement with North Mississippi Medical Center (NMMC) in Tupelo.

Minimum Total Credit Hours: 120

Course Requirements

Students must complete general degree requirements for the College of Liberal Arts prior to beginning the professional clinical year. (Presently, only one institution is approved as an affiliate in the 3 + 1 program, the North Mississippi Medical Center in Tupelo.) A grade of C or better must be obtained in the prerequisite courses listed below with a minimum 2.6 GPA, and students must apply to be selected. There is no guarantee of admission. Please note that NMMC gives preference to qualified Mississippi residents in their selection of 12 students per year. The deadline for applying to the program through NMMC is typically mid-December the year prior to entry. Students are awarded 33 semester hours of 400-level course work for successfully completing their professional year at NMMC; thus, a minimum of 87 semester hours must be earned prior to leaving the University of Mississippi including all prerequisites below. Selection criteria are detailed on NMMC's website (https://www.nmhs.net/medical-professionals/training-programs/medical-laboratory-science/).

Courses to be completed at the Oxford campus, which are specific for the program at the North Mississippi Medical Center, are as follows:

Code	Title	Hours
Select two of the following:		6
WRIT 1010	First-Year Writing I	
WRIT 1020	First-Year Writing II	
HONR 1010	Freshman Honors I	
HONR 1020	Freshman Honors II	
LIBA 1020	First Year Seminar	
BISC 1600 & BISC 1610	Biological Sciences I and Biological Sciences I Laboratory	4
BISC 1620 & BISC 1630	Biological Sciences II and Biological Sciences II Laboratory	4
CHEM 2210 & CHEM 2211	Elementary Organic Chemistry I and Elementary Organic Chem. Laboratory I	4
CHEM 2220 & CHEM 2221	Elementary Organic Chemistry II and Elementary Organic Chem. Laboratory II	4
MATH 1210	College Algebra (or higher)	3
Select three hours of Fine Arts courses from the following:		3
Any Art History (AH) course		
DANC 2000	Dance Appreciation	
LIBA 1300	Introduction to the Fine Arts	
MUSC 1010	Introduction to Music Literature	
MUSC 1020	Fundamentals of Music Theory	
MUSC 1030	Introduction to Music	
MUSC 1040	Introduction to World Music Cultures	
MUSC 1050	Music Theory and Analysis I	
THEA 2010	Appreciation of the Theatre	
THEA 2020	Introduction to Cinema	
Select two of the following:		6
ENGL 2221	Survey of World Literature to 1650	
ENGL 2222	Survey of World Literature since 1650	
ENGL 2223	Survey of American Lit to the Civil War	
ENGL 2224	Survey of American Lit since Civil War	
ENGL 2225	Survey of British Lit to 18th Century	
ENGL 2226	Survey of Brit Lit since Romantic Period	
Select six hours of Foreign Language at the 200 level or above		6
Select 12 hours of Social Sciences and Humanities courses [1]		12
BISC 3330	General Microbiology	4
BISC 4140	Immunology and Serology	3
Select 20 hours of electives		20
Total Hours		**79**

[1] The courses may be chosen from African American Studies, Anthropology, Classical Civilization, Economics, Gender Studies, History, LIBA 2020 Interdisciplinary Humanities, Philosophy, Political Science, Psychology, Religious Studies, Sociology, and Southern Studies. At least 6 hours must be chosen from among the Social Sciences, which consists of Anthropology, Economics, LIBA 2030 Interdisciplinary Social Sciences, Political Science, Psychology, and Sociology.

Students admitted into the medical laboratory science program at North Mississippi Medical Center (NMMC) will be registered for the following courses at the University of Mississippi during their 12-month clinical year. In order to receive a B.S. in medical laboratory science from the University of Mississippi, students must complete all classes below with a C or better. Students will apply for August graduation and sit for the Medical Laboratory Scientist (MLS) certification exam from the American Society for Clinical Pathology (ASCP) following successful completion of required courses.

Fall Clinical Year at NMMC Hours

Code	Title	Hours
LIBA 4100	Med Lab: Urinalysis	1
LIBA 4110	Med Lab: Serology/Immunology	2
LIBA 4120	Med Lab: Clinical Microbiology	3
LIBA 4130	Med Lab: Hematology	3
LIBA 4140	Med Lab: Clinical Analysis of Fluids	3
LIBA 4150	Med Lab: Immunohematology	3
Total Hours		**15**

Spring Clinical Year at NMMC Hours

Code	Title	Hours
LIBA 4160	Med Lab: Management/Education	2
LIBA 4170	Med Lab: Microbiology/Immun. Rotation	4
LIBA 4180	Med Lab: Hematology/Urinalysis Rotation	4

LIBA 4190	Med Lab: Immunohematology Rotation	4
LIBA 4200	Med Lab: Clinical Rotation	4
Total Hours		**18**