MEDICAL LABORATORY SCIENCES - CLINICAL (BS)

Degree: Bachelor of Sciences

Major: Medical Laboratory Sciences - Clinical

Total Hours: 120

Code	Title	Hours
General Education Core Curriculum		
Communication		
ENGL 1301	Composition I	3
Select one of the following:		3
ENGL 1302	Composition II	
COMM 1315	Public Speaking I	
COMM 1321	Business and Prof Speech	
FREN 1311	Beginning French I	
SPAN 1311	Beginning Spanish I	
Mathematics		
MATH 1316	Trigonometry	3
Life and Physical Sciences		
BIOL 1406	General Biology I (Majors)	4
BIOL 1407	General Biology II (Majors)	4
Language, Philosophy and Culture		
ENGL 2300	Ethics and Literature	3
Creative Arts		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2303	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
American History		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
Government/Political Science		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
Social and Behavioral Sciences		
Select one of the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
Component Area Option		
CHEM 1311	General Chemistry I	3
CHEM 1312	General Chemistry II	3
Required Major Courses		
BIOL 2421	Microbiology for Science Majors	4
BIOL 3470	Genetics	4
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1112	General Chemistry II Laboratory	1
CHEM 3111	Organic Chemistry I Laboratory	1
CHEM 3311	Organic Chemistry I	3
CMLS 2201	Intro to Medical Lab Science	2
CMLS 3401	Fundamentals Clinical Chem	4
CMLS 3404	Introduction to Hematology Hem	4
CMLS 3407	Clinical Immunology	4
CMLS 4101	BOC Review Course	1
CMLS 4310	Management (Lab Ops)	3
CMLS 4401	Clinical Chemistry	4
CMLS 4404	Diagnostic Microbiology I	4
CMLS 4407	Clinical Analysis I	4
CMLS 4413	Diagnostic Microbiology II	4
CMLS 4416	Hematology/Hemostasis	4
CMLS 4419	Clinical Analysis II	4
CMLS 4422	Immunohematology	4
CMLS 4425	Clinical Immunohematology	4
CMLS 4428	Clinical Microbiology	4
CMLS 4431	Clinical Hematology	4
Major Course Choice - 4 hours from		4
CHEM 3112	Organic Chemistry II Lab	
CHEM 3312	Organic Chemistry II	
CHEM 3415	General Biochemistry	
Total Hours		**120**

First Year

Fall		**Hours**
ENGL 1301	Composition I	3
BIOL 1406	General Biology I (Majors)	4
Creative Arts		3
US History		3
	Hours	**13**
Spring		
ENGL 1302 or COMM 1315	Composition II or Public Speaking I	3
BIOL 1407	General Biology II (Majors)	4
MATH 1316	Trigonometry	3
US History		3
	Hours	**13**

Second Year		
Fall		
ENGL 2300	Ethics and Literature	3
POLS 2301	Intro to American Government I	3
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Laboratory	1
BIOL 2421	Microbiology for Science Majors	4
	Hours	**14**
Spring		
POLS 2302	Intro/American Government II	3
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II Laboratory	1
CMLS 2201	Intro to Medical Lab Science	2
Social and Behavioral Sciences		3
	Hours	**12**
Third Year		
Fall		
CHEM 3311	Organic Chemistry I	3
CHEM 3111	Organic Chemistry I Laboratory	1
BIOL 3470	Genetics	4
CMLS 3404	Introduction to Hematology Hem	4
	Hours	**12**
Spring		
CMLS 3407	Clinical Immunology	4
CMLS 3401	Fundamentals Clinical Chem	4
Choose 4 hours from		4
CHEM 3415	General Biochemistry	
CHEM 3112	Organic Chemistry II Lab	
CHEM 3312	Organic Chemistry II	
	Hours	**12**
Summer		
CMLS 4404	Diagnostic Microbiology I	4
CMLS 4407	Clinical Analysis I	4
CMLS 4310	Management (Lab Ops)	3
	Hours	**11**
Fourth Year		
Fall		
CMLS 4413	Diagnostic Microbiology II	4
CMLS 4416	Hematology/Hemostasis	4
CMLS 4419	Clinical Analysis II	4
CMLS 4422	Immunohematology	4
	Hours	**16**
Spring		
CMLS 4425	Clinical Immunohematology	4
CMLS 4401	Clinical Chemistry	4
CMLS 4428	Clinical Microbiology	4
CMLS 4431	Clinical Hematology	4
CMLS 4101	BOC Review Course	1
	Hours	**17**
	Total Hours	**120**