

CLINICAL LABORATORY SCIENCE, BACHELOR OF SCIENCE

Internship (last Year) is restricted to students who have satisfied all program requirements and who have been approved for assignment.

Listed Courses	Substituted
CHEM 232/CHEM 212L	CHEM 445
BIOL 245	BIOL 2301 & BIOL 2302 or BIOL 344
BIOL 347	BIOL 246

Students should seek advisement prior to registering for any course intended to be used as credit toward the Clinical Laboratory Science degree.

Summary

Code	Title	Hours
Core Curriculum Requirements (https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/)		42
Major Requirements (56 hours)		
CLSC 3351	Diagnostic Immunology	3
CLSC 3204	Basic Laboratory Techniques	2
CLSC 3105	CLS Practice Management	1
CLSC 4206	CLS Management and Ethics	2
CLSC 4307	Capstone Review	3
CLSC 3452	Hematology I	4
CLSC 3353	Urinalysis and Body Fluids	3
CLSC 3454	Blood Bank I	4
CLSC 3355	Clinical Chemistry I	3
CLSC 3256	Hemostasis	2
"CLSC 458	Clinical Immunology Preceptorship"	
"CLSC 457	Clinical Practicum I Preceptorship"	
CLSC 3359	Clinical Microbiology I	3
CLSC 3362	Hematology II	3
CLSC 3364	Blood Bank II	3
CLSC 3365	Clinical Chemistry II	3
CLSC 3269	Clinical Microbiology II	2
CLSC 4111	CLS Research and Education	1
CLSC 4210	Clinical Molecular Biology	2
"CLSC 466	Clinical Hematology Preceptorship"	4
"CLSC 467	Clinical Blood Bank Preceptorship"	4
"CLSC 468	Clinical Microbiology Preceptorship"	4
"CLSC 469	Clinical Biochemistry Preceptorship"	4
HSCR 300	Hlth Sciences Sem	1
Other Requirements (22 hours)		
BIOL 245	Human Anatomy & Physiology	4
or BIOL 2301	Human Anat & Phys I	
BIOL 111	Biological Science Lab I	1
BIOL 112	Biological Science Lab II	1
BIOL 245L	Human Anat & Phys Lab	0
BIOL 347	Microbiology	4

or BIOL 246	Microbiol Hlth Rel Professions	
BIOL 347L	Microbiology Lab	0
CHEM 211	Organic Chem I Lab	1
CHEM 231	Organic Chem I	3
CHEM 111	Chemistry I Lab	1
CHEM 112	Chemistry II Lab	1
FS 102	Freshman Seminar/ first Year Experience	1
Total Hours		120

Course	Title	Hours
First Year		
First Semester		
CHEM 1311	Chemistry I	3
CHEM 111	Chemistry I Lab	1
MATH 1314	College Algebra	3
ENGL 1301	Freshman English I	3
BIOL 1306	Biological Science I	3
BIOL 111	Biological Science Lab I	1
FS 102	Freshman Seminar/ first Year Experience	1
Hours		15

Second Semester		
CHEM 1312	Chemistry II	3
CHEM 112	Chemistry II Lab	1
Social/Behavioral Sciences ¹		3
ENGL 1302	Freshman English II	3
BIOL 1307	Biological Science II	3
BIOL 112	Biological Science Lab II	1
Hours		14

Second Year		
Third Semester		
CHEM 231	Organic Chem I	3
CHEM 211	Organic Chem I Lab	1
BIOL 245	Human Anatomy & Physiology	4
BIOL 245L	Human Anat & Phys Lab	0
POLS 2305	American Government	3
HIST 1301	Soc & Pol Hist US to 1877	3
HSCR 300	Hlth Sciences Sem	1
Hours		15

Fourth Semester		
ENG 2000	Level English Literature	3
Visual and Performing Arts		3
BIOL 347	Microbiology	4
or BIOL 246	or Microbiol Hlth Rel Professions	
BIOL 347L	Microbiology Lab	0
or BIOL 246L	or Micro Hlth Rel Pr Lab	
POLS 2306	Texas Government	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Hours		16

Third Year		
Fifth Semester		
CLSC 3105	CLS Practice Management	1
CLSC 3204	Basic Laboratory Techniques	2
CLSC 3351	Diagnostic Immunology	3

CLSC 3355	Clinical Chemistry I	3
CLSC 3359	Clinical Microbiology I	3
Hours		12
Sixth Semester		
CLSC 3452	Hematology I	4
CLSC 3353	Urinalysis and Body Fluids	3
CLSC 3454	Blood Bank I	4
CLSC 3365	Clinical Chemistry II	3
CLSC 3269	Clinical Microbiology II	2
Hours		16
Summer		
CLSC 3256	Hemostasis	2
CLSC 3362	Hematology II	3
CLSC 4210	Clinical Molecular Biology	2
Hours		7
Fourth Year		
Seventh Semester		
CLSC 4206	CLS Management and Ethics	2
CLSC 3364	Blood Bank II	3
"CLSC 4458	Clinical Practicum I"	4
CLSC 4459	Clinical Practicum II	4
Hours		13
Eighth Semester		
CLSC 4307	Capstone Review	3
CLSC 4111	CLS Research and Education	1
CLSC 4460	Clinical Practicum III	4
CLSC 4461	Clinical Practicum IV	4
Hours		12
Total Hours		120

1

Social and Behavioral Sciences requirements maybe fulfilled by either of the following: PSYC 2301 General Psychology SOCI 1301 Introduction To Sociology, SOCI 1306 Contemporary Social Issues, ECON 2301 Principles Of Economics I, ECON 2302 Principles Of Economics II

2

Either one of the following: THEA 1310 Introduction to Theatre, MUSI 1306 Music Appreciation, MUSI 1315 Fine Arts In Daily Living, ARTS 1315 Intro African Art, or ARTS 1315 Intro African Art