

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE (B.S.C.L.S.) MAJOR IN CLINICAL LABORATORY SCIENCE

**Minimum required: 120
semester credit hours**

Admission Requirements

1. The Bachelor of Science in Clinical Laboratory Science (B.S.C.L.S.) degree with a major in Clinical Laboratory Science requires admission to the university and admission to the program. For more information visit: <http://www.health.txstate.edu/cls/degrees-programs/undergraduate.html>
2. University application deadlines are different than the Clinical Laboratory Science (C.L.S.) program deadline. Any student entering Texas State may declare Pre-Clinical Laboratory Science as their major. It is recommended that students arrange academic advising at least once prior to making application, and, if possible, arrange to learn about the profession through clinical laboratory tours, personal research, and interviewing a practicing C.L.S. professional. Admission and acceptance to Texas State and declaration as a C.L.S. major does not guarantee admission to the program. Admission to the program is competitive and selective. The academic sequence begins during the fall semester of the junior year. Students are selected in the spring semester of their sophomore year. Enrollment is limited by student/faculty ratios and clinical placement availability.
3. The deadline for submission of applications to the C.L.S. program is February 15th. A typical cohort size of 20 students will be admitted. Applicants will be notified of their status by April 30th or sooner. The criteria for student selection for the junior class includes scholastic ability, particularly in the sciences, essays, and a personal interview, and not on the basis of gender, race, color, religion, veteran status or condition of disability, or national origin. Due to performance standards of the profession, students must meet specific ADA standards in accordance with physical and emotional requirements of the academic program to qualify for admission.
4. Potential applicants are encouraged to complete the University process early (six to eight weeks prior to the C.L.S. application deadline of February 15th) to facilitate review of transcripts during the C.L.S. program application process.
5. A minimum overall GPA and science and mathematics GPA of 2.50; however, an overall GPA and a science and mathematics GPA of 3.0 is recommended in order to be competitive in the application process. The science and mathematics GPA is calculated based on grades in the following nine courses which must be completed prior to submitting the C.L.S. application:

Code	Title	Hours
BIO 1330	Functional Biology	3
BIO 1130	Functional Biology Laboratory	1
BIO 1331	Organismal Biology	3
BIO 1131	Organismal Biology Laboratory	1
CHEM 1341	General Chemistry I	3

CHEM 1141	General Chemistry Laboratory I	1
CHEM 1342	General Chemistry II	3
CHEM 1142	General Chemistry Laboratory II	1
MATH 1315	College Algebra	3
	or MATH 1319 Mathematics for Business and Economics I	
	or MATH 1329 Mathematics for Business and Economics II	
	or MATH 2321 Calculus for Life Sciences I	
	or MATH 2417 Pre-Calculus Mathematics	
	or MATH 2471 Calculus I	

6. Science and mathematics courses require a minimum grade of "C" or higher.
7. Students may have a maximum of nine hours of core and prerequisite coursework remaining prior to beginning the C.L.S. program.
8. Completion of the C.L.S. application packet for admission is required by the deadline (February 15th).
9. Successful interview of selected candidate with admission committee is also required.
10. Other requirements are necessary by clinical placements (e.g. immunization, background check, and drug testing).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (<http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum>) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. To graduate with a B.S.C.L.S., students must successfully complete all CLS courses in a lock-step sequence with a "C" or higher. Each CLS course is offered only once each academic year; therefore, progress in the program is affected should a student fall out of the sequence due to failure to successfully complete a course. A student who falls out of sequence (whether due to illness, course failure, or other reasons) will be delayed one year to repeat the course. Students with a grade of less than a "C" in a CLS course will be stepped out of the program and individuals must reapply to the program the following year. To be considered for program readmission, all original program admission criteria and an approved schedule for retaking courses must be met. In addition, a student may repeat a CLS course only once. If the student does not earn a grade of at least "C" upon repeating the course, the student cannot continue in the program.
6. All non-CLS courses must be completed *prior* to the senior year, 2nd semester (spring), due to students beginning off-campus clinical rotations.
7. Requirements for B.S.C.L.S. completion and graduation include a Texas State GPA of 2.0 with a CLS major GPA of 2.25.
8. During the second semester (spring) and final semester (summer) of the senior year, students are required to successfully complete five clinical laboratory rotations/experiences in CLS Clinical Practice

courses. These courses require that the students spend clinical time in other facilities, primarily hospitals and reference laboratories, away from campus. Students must furnish their own transportation, and if necessary, housing. Because of the time and distances involved, typically no courses other than those listed in the CLS Program can be taken in the final two semesters of the senior year.

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331	3
BIO 1130	1	BIO 1131	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342	3
CHEM 1141	1	CHEM 1142	1
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government Science Component Code 070)	3	Select one of the following (Mathematics Component Code 020):	3
US 1100 ¹	1	MATH 1315	
		MATH 13	
		MATH 1329	
		MATH 23	
		MATH 2331	
		MATH 24	
		MATH 2471	
	15		14

Sophomore			
First Semester	Hours	Second Semester	Hours
BIO 2440 or 2400	4	HIST 1320 (American History Component Code 060)	3
COMM 131C (Communication Area Option Code 090/091)	3	POSI 2320 (Government Political Science Component Code 070)	3

HIST 1310 (American History Component Code 060)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Select one of the following:	4	Select one of the following:	3
CHEM 2330 & CHEM 2130		HP 3302	
CHEM 23 & CHEM 21		SOCI 330	
CHEM 2342 & CHEM 2142		MATH 2328	
		QMST 23	
		ENG Literature (Component Area Option Code 090/094)	3
	14		15

Junior			
First Semester	Hours	Second Semester	Hours
CLS 3305	3	CLS 3323	3
CLS 3410	4	CLS 3424	4
CLS 3326	3	CLS 3412	4
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Social & Behavioral Sciences Component Code 080	3
	13		14

Senior					
First Semester	Hours	Second Semester	Hours	Summer	Hours
CLS 4333	3	CLS 4340	3	CLS 4225	2
CLS 4318	3	CLS 4341	3	CLS 4361	3
CLS 4440	4	CLS 4370	3	CLS 4364	3
CLS 4460	4	CLS 4463	4		
	14		13		8

Total Hours: 120

¹ If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See the College Advising Center.