

Transfer Degree Map: Lone Star College to Texas A&M University-Texarkana Bachelor of Science in Biotechnology

4 – Year Suggested Academic Plan for Transfer

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300*		Learning Framework: 1 st Year Exp.	3	BIOL 2421		General Microbiology	4
BIOL 1406	BIOL 1306	Biology I for Science Majors	4	BITC 1402	BTEC 1340** or BIOL 1415	Biotechnology Laboratory Methods or Intro to Biotechnology II	4
BITC 1411	BIOL 1414	Intro to Biotechnology I	4	CHEM 1412	CHEM 1312	General Chemistry II	4
CHEM 1411	CHEM 1311	General Chemistry I	4	ENGL 1301	ENGL 1301	Composition & Rhetoric I	3
MATH 1314	MATH 1314	College Algebra	3				
Total			18	Total			15
Summer Session							
ENGL 1302	ENGL 1302	Composition & Rhetoric II	3	PSYC 2301	PSYC 2301	General Psychology	3
Total			3	Total			3
Second Year - Sophomore							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
CHEM 2423	CHEM 2423	Organic Chemistry I	4	CHEM 2425	CHEM 2425	Organic Chemistry II	4
PHIL 2306	PHIL 1350	Introduction to Ethics	3	BITC 1191		Special Topics in Biological Tech.	1
BITC 2445		Medical Biotechnology	4	BITC 2431	BTEC 2431	Cell Cultures Techniques	4
BITC 2411**		Biotechnology Lab Instruments	4	BITC 2441	BTEC 2441	Molecular Biology Techniques	4
Total			15	Total			13
Summer Session							
BITC 2486**		Internship in Biol Tech/Technician	4	SPCH 1315	SPCH 1315	Public Speaking	3
Total			4	Total			4
Third Year - Junior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	CHEM 410	Biochemistry I	4		CHEM 411	Biochemistry II	4
	MATH 1342	Elementary Statistics	3		300-499	Prescribed Upper Div. Elective ^a	
	BIOL 311	Microbiology	4		300-499	Prescribed Upper Div. Elective ^a	
	HIST 1301	U.S. History I	3		HIST 1302	U.S. History II	3
	BIOL 466	Evolutionary Biology	3		BTEC 310**	Biotechnology Research. Methods. & Appl.	
Total			17	Total			18
Fourth Year - Senior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	BTEC 311	Microbial Biotechnology	4		BTEC 490	Adv. Biotechnology	4
	300-499	Prescribed Upper Div. Elective ^a			BTEC 483	Capstone II	4
	GOVT 2301	American Government I	3		GOVT 2302	American Government II	3
	BIOL 402	Cell and Molecular Biology	4		ARTS 1301	Art Appreciation	3
	300-499	Prescribed Upper Div. Elective ^a			300-499	Prescribed Upper Div. Elective ^a	
Total			18	Total			17

Notes/Comments:

- *EDUC 1300 is only required for First Time in College Students (FTIC) at LSC.
- **BITC 1402 is equivalent to BTEC 1340; BITC 2411 is equivalent to BTEC 310; BITC 2486* is equivalent to BTEC 482
- ^aStudents may complete one or more A&M-Texarkana elective courses during summer sessions, when offered (18 SCH required)