



COLLEGE OF TECHNOLOGY
Bachelor of Science, Biotechnology
 Four-Year Academic Map 2016-2017

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3	
	MATH 1330	Pre-calculus	3	MATH 1431	Calculus I	4	
	BTEC 1322	Introduction to Biotechnology	3	BIOL 1362/1162	Intro to Biological Science & Lab	4	
	BIOL 1361/1161	Intro to Biol Sci. & Lab	4	CHEM 1331/1111	Fund of Chemistry & Lab	4	
	HIST 1377	The United States 1877	3				
	Semester Hours			16	Semester Hours		15

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	MATH 2311	Intro to Probability & Statistics	3	CIS 2334	Information Systems Applications	3	
	ELET 2300	Intro to C++ Programming	3	BTEC 3317	Biotechnology Regulatory Environment	3	
	PHYS 1301/1101	Intro to Gen Phys I & Lab	4	BIOL 3332/3132	Elementary Microbiology & Lab	4	
	CHEM 1332/1112	Fund of Chemistry & Lab	4	CHEM 3331/3221	Fund of Organic Chemistry & Lab	5	
	Semester Hours			14	Semester Hours		15

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	BTEC 3301	Prin of Genomics/Protenomics & Bioinformatics	3	TELS 3340	Organizational Leadership & Super	3	
	BTEC 3321	Current Good Manufacturing Prac	3	TELS 3363	Technical Communication	3	
	BTEC 3100	Biotechnology Research Methods and Applications	1	BTEC 3302	Molecular Genetics & Biotechnology	3	
	BCHS 3304/3201	General Biochemistry & Lab	5	Free Elective		3	
	BTEC 3320 OR	Intro to QA/QC in BTEC OR	3	Approved Elective OR	Options: BCHS 4306, 4324, 4325, BIOL 4310, 4323, 4365, 4366, 4367, 4374; BTEC 3399, 4399; TELS 4342 OR	3	or
	BTEC 3345	Prog in Bioinformatics		CIS 3343	Information Sys Analysis & Design	3	
	Semester Hours			15	Semester Hours		15

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	PHIL 1305	Introduction to Ethics	3	Core Course	Creative Arts	3	
	POLS 1336	US & Texas Constitutions & Pols	3	POLS 1337	US Government	3	
	Core Course	Social/Behavioral Science	3	BTEC 4350	Biotechnology Capstone	3	
	HIST 1378	The United States since 1877	3	Free Elective		3	
	BTEC 4301/4101 OR	Prin of Bioprocessing & Lab OR	4	BTEC 4319 OR	Microbial Biotechnology OR	3	
	BTEC 4300	Principles of Bioinformatics	3	CIS 3365	Database Management		
	Semester Hours			15-16	Semester Hours		15
							120-121

Students should meet with their academic advisor to formulate their own plan.