



COLLEGE OF TECHNOLOGY
Bachelor of Science, Biotechnology
 Four-Year Academic Map 2015-2016

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	Intro to Biotechnology	3	BIOL 1362/1162	Intro to Biological Sci & Lab	4
	BIOL 1361/1161	Intro to Bio Sci & Lab	4	CHEM1331/1111	Fund of Chemistry & Lab	4
	HIST 1377	The U.S. Until 1877	3			
	Semester Hours		16	Semester Hours		15

YEAR 2	Semester 1 Fall		Semester 2 Spring		Total	
	PHIL 1305	Introduction to Ethics	3	CIS 2334	Information Systems Applications	3
	ELET 2300	Intro to C++ Programming	3	MATH 2311	Intro to Probability & Statistics	3
	PHYS 1301/1101	Intro Gen Phys I & Lab	4	BIOL 3332/3122	Elementary Microbiology & Lab	4
	CHEM 1332/1112	Fund of Chem & Lab	4	CHEM3331/3221	Fund of Organic Chem & Lab	5
	HIST 1378	The U.S. Since 1877	3			
	Semester Hours		17	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 3317	Biotechnology Regulatory Environ	3	BIOL 4320	Molecular Biology	3
	BTEC 3100	Biotech Res Methds & Applications	1	BTEC 3321	Current Good Manufacturing Prac	3
	BCHS 3304/3201	General Biochemistry & Lab	5	BIOL 3301	Genetics	3
	BTEC 3320 OR	Intro to QA/QC in BTEC OR	3	BTEC 4301/4101	Principles of Bioprocessing & Labor	4
	CIS 3343	Info Sys Analysis & Design	3	OR CIS 3365	Database Management	3
Semester Hours		15	Semester Hours		15-16	30-31

YEAR 4	Semester 1 Fall		Semester 2 Spring		Total	
	TELS 3363	Technical Communication	3	Core Course	Creative Arts	3
	POLS 1336	US & Tx Cons. & Pols	3	BTEC 4350	Biotechnology Capstone	3
	Core Course	Social/Behavioral Sci.	3	POLS 1337	US Government	3
	Free Elective		3	Approved Elective	Options: BCHS 4306, 4324, 4325, BIOL 4310, 4323, 4365, 4366, 4367, 4374 BTEC 3399, 4399, TELS 4342	3
	BTEC 4319 or	Microbial Biotech	3			
	BTEC 4300	or Principles of Bioinformatics				
Semester Hours		15	Semester Hours		12	27

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