

FIRST YEAR		HOURS				
		Lec Hrs	Lab	Ext	Cont	Cred
Semester I						
+BITC 1311	Introduction to Biotechnology	3	2	0	48	3
+BIOL 1406	Cellular and Molecular Biology	3	3	0	96	4
+CHEM 1411	General Chemistry I	3	3	0	96	4
ENGL 1301	English Composition I	3	0	0	48	3
+MATH 1314	College Algebra ¹	3	0	0	48	3
TOTAL HOURS		15	8		336	17
Semester II						
+BITC 1402	Biotechnology Lab Methods/ Techniques	3	4	0	112	4
+CHEM 1412	General Chemistry II	3	3	0	96	4
QCTC 1242	Quality Assurance for the Biosciences	2	0	0	32	2
COSC 1301	Personal Computing ² OR	2	2	0	64	3
COSC 1300	Introduction to Computing					
+ENGL 1302	English Composition II OR	3	0	0	48	3
+ENGL 1311	Business English: Introduction to Technical Writing ³					
TOTAL HOURS		13	9		352	16
Semester III						
+BITC 2431	Cell Culture Techniques ⁴	3	4	0	112	4
CHEM 2423	Organic Chemistry I	3	4	0	112	4
	Humanities/ Fine Arts ⁵	3	0	0	0	3
TOTAL HOURS		6	4	0	112	11
SECOND YEAR						
Semester IV						
PSYC 2301	Introduction to Psychology ⁶	3	0	0	48	3
+BITC 2441	Molecular Biology Techniques	3	4	0	112	4
+BIOL 2421	Microbiology	3	4	0	96	4
+	Science/Math. Technology Elective ⁷	3-4	0-4	0	48-96	3-4
TOTAL HOURS		12- 13	8- 12	0	304- 352	14-15
Semester V						
SPCH 1318	Interpersonal Communication ⁸	3	0	0	48	3
+BITC 2411	Biotechnology Lab Instrumentation	3	4	0	112	4
#BITC 2487	Internship Biological Technology/ Technician II	1	0	20	336	4
TOTAL HOURS		7	4	20	496	11
GRAND TOTAL		53- 54	33- 37	20	1600- 1648	69-70

¹ Or any college level math.

² Students should consult with a full-time instructor before selecting from COSC 1315, ITSE 1331, and ITSC 1309.

³ Student should consult with a full-time biotechnology instructor before selecting course.

⁴ Students may take this course at any time after BITC 1311

⁵ Select from Humanities/Fine Arts section of the General Education Course list.

⁶ May substitute ANTH 2301, ANTH 2351, ECON 2302, ECON 2301, or SOCI 1301.

⁷ Electives should reflect student's area of concentration: BITC 2486, PHYS 1401, any college level math, BIO 1724, BIOL 2402, BIOL 2316. For transfer to a four-year college or university, students should take CHEM 2425 (Organic Chemistry II).

⁸ Students may select another Speech course upon consultation and approval with a full time biotechnology instructor.