

PROGRAM PLANNING GUIDE

**BIOTECHNOLOGY
A20100**

Replaces Curriculum Schedule with Revision Date: NEW

Date Revised: FA2021

CURRICULUM BY SEMESTER

Course No.		Course Title	Hours Per Week		
			Class	Lab	Credits
Semester 1					
BIO	111	General Biology I	3	3	4
BTC	181	Basic Laboratory Techniques	3	3	4
ENG	111	Writing and Inquiry	3	0	3
ISC	121	Environmental Health & Safety	3	0	3
MAT	171	Precalculus Algebra	3	2	4

Semester 2					
BIO	112	General Biology II	3	3	4
BTC	281	Bioprocess Techniques	2	6	4
CHM	151	General Chemistry I	3	3	4
CIS	110	Introduction to Computers	2	2	3

Semester 3					
		Major Elective			2

Semester 4					
BIO	250	Genetics	3	3	4
BTC	275	Industrial Microbiology	3	3	4
CHM	132	Organic and Biochemistry	3	3	4
ENG	112	Writing and Research in the Disciplines	3	0	3

Semester 5					
BTC	150	Bioethics	3	0	3
BTC	270	Recombinant DNA Technology	3	3	4
BTC	285	Cell Culture	2	3	3
HUM	110	Technology and Society	3	0	3
PSY	150	General Psychology	3	0	3

Graduation Requirement Credit Hours: 66

MAJOR ELECTIVES

Course No.		Course Title	Hours Per Week		
			Class	Lab	Credits
Major Electives		Credit Hours Needed:	2		
ISC	278	cGMP Quality Systems	2	0	2
WBL	112	Work-Based Learning I	0	20	2

Registrar's Office Approved 5/3/21

This program planning guide is for advising purposes only and is subject to change.