

BIOTECHNOLOGY CERTIFICATES

DAP	Developmental English Courses		Developmental Math Courses	
	DRE	DRE 096		DMA 010
	DRE 097		DMA 020	
ENG	002		DMA 030	
	011		DMA 040	
MAT	003		DMA 050	
	052		or DMS 003	

Biowork Certification

REQUIRED COURSES				
Course Prefix & Number	Course Title	Semester & Year	Grade	Credit Hours
BTC 181	Basic Lab Techniques			4
OR	OR			128
Biowork (CE)	Biowork Certification			credential hours

BASIC LABORATORY TECHNIQUES (C20100B) CERTIFICATE

REQUIRED COURSES				
Course Prefix & Number	Course Title	Semester & Year	Grade	Credit Hours
BIO 111	General Biology I			4
BTC 181	Basic Lab Techniques			4
CHM 131/CHM 131A or CHM 151	Introduction to Chemistry / Lab or General Chemistry I			4
CIS 110	Introduction Computers			3
	TOTAL			15

BIOINFORMATICS (C20100X) CERTIFICATE

REQUIRED COURSES				
Course Prefix & Number	Course Title	Semester & Year	Grade	Credit Hours
BTC 181	Basic Lab Techniques			4
CIS 115	Introduction to Programming			3
CIS 155	Database Theory / Analysis			3
CSC 124	Introduction to Data Science Programming			3
	TOTAL			13

Career and College Promise Pathway (CCP)

REQUIRED COURSES				
Course Prefix & Number	Course Title	Semester & Year	Grade	Credit Hours
BTC 181	Basic Lab Techniques			4
BIO 111	General Biology I			4
CHM 131/CHM 131A	Introduction to Chemistry / Lab			3/1
CIS 110	Introduction Computers			3
	TOTAL			15