

PROGRAM PLANNING GUIDE

**BIOPHARMACEUTICAL TECHNOLOGY
A20180**

Replaces Curriculum Schedule with Revision Date: FA2015

Date Revised: FA2016

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Fall Semester 1					
BPM	110	Bioprocess Practices	3	4	5
CHM	131	Introduction to Chemistry	3	0	3
CHM	131A	Introduction to Chemistry Lab	0	3	1
PTC	110	Industrial Environment	3	0	3
ENG	111	Writing and Inquiry	3	0	3
MAT	121	Algebra/Trigonometry I	2	2	3

Completes requirements for Biopharmaceutical Regulations Certificate: C20180B

Spring Semester 1					
BIO	110	Principles of Biology	3	3	4
CHM	132	Organic and Biochemistry	3	3	4
ISC	121	Envir Health & Safety	3	0	3
PTC	120	Pharmaceutical Quality Control	3	2	4
ENG	114	Professional Research & Reporting	3	0	3

Fall Semester 2					
ENV	212	Instrumentation	3	3	4
PTC	210	Pharmaceutical Industrial Processes	3	2	4
PTC	222	Pharmaceutical Process Control	2	2	3
HUM	110	Technology and Society	3	0	3
PSY	118	Interpersonal Psychology	3	0	3

Completes requirements for Biopharmaceuticals Manufacturing & Quality: C20180C

Spring Semester 2					
PTC	212	Applied Microbiology	3	2	4
PTC	214	Parenteral Processes	3	2	4
PTC	226	Validation	3	0	3
PTC	228	Pharmaceutical Issues	1	0	1
		Major Elective			3

Completes requirements for Advanced Biopharmaceutical Practices: C20180D

Completes requirements for Pharmaceutical Basics Certificate: C20180E

Graduation Requirement Credit Hours:	68
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MAJOR ELECTIVES					
			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives 1		Credit Hours Needed:	3		
CIS	110	Introduction to Computers	2	2	3
EGR	115	Introduction to Technology	2	3	3
ISC	135	Principles of Industrial Management	4	0	4
ISC	237	Quality Management	2	3	3
WBL	111	Work-Based Learning I		10	1