

I'm committed to prepare for biotech employment, and maybe an A.S. degree and

SUGGESTED COURSE SEQUENCES

Recommended Preparation:

MATH 120, ENGL 142B

Quick pace:		14-18		
units/semester				
Total units	Semester / session	Course	Units	
BIOTECH ASST CERT	17	Fall 1	BIOSC 172 + 172L: Introduction to Biotechnology 4 BIOSC 182: GLP and GMP: Principles and Com 2 MATH 164: Intro Probablty and Statistics 4 ENGL 1A: Composition and Reading 4 COUNS 120: Managing College Success and Lif 3	
	0	Interession 1	0 0	
	BIOTECH TECH CERT	16	Spring 1	BIOSC157 + 159: Foundations in Biotechnolog 3 BIOSC 183/6: Mammalian Cell, Protein Purificati 2 SPCH 120: Public Speaking 3 CHEM 120: General College Chemistry I 5 1st GE requirement 3
		0	Summer 1	0 0 0
		BIOTECH A.S.	17	Fall 2
0			IS2	0 0
BIOTECH A.S.	14		Spring 2	BIOSC 186/3:, Protein Purification, Mammalian C 2 CHEM 121: General College Chemistry II 5 5th GE requirement 3 MATH 171/190: Functions-geometry/Calculus 4 0
	0		Su 2	0 0 0

Any remaining requirements

For AS-T: BIOSC 145, CHEM 226, PHYS 120, PHYS 121, MATH 190

Full-time moderate pace:		12-14 units/semester		
Total units	Semester / session	Course	Units	
BIOTECH ASST CERT	14	Fall 1	BIOSC 172 + 172L: Introduction to Biotechnol 4 BIOSC 182: GLP and GMP: Principles and Co 2 MATH 164: Intro Probablty and Statistics 4 ENGL 1A: Composition and Reading 4 COUNS 120: Managing College Success and I 3	
	0	Interession 1	0 0	
	BIOTECH TECH CERT	13	Spring 1	BIOSC157 + 159: Foundations in Biotechnolc 3 BIOSC 183/6: Mammalian Cell, Protein Purific: 2 SPCH 120: Public Speaking 3 CHEM 120: General College Chemistry I 5
		0	Summer 1	INTERNSHIP/WORK 0 0 0
		BIOTECH A.S.	13	Fall 2
3			IS 2	4th GE requirement 3 0
BIOTECH A.S.	15		Spring 2	BIOSC 186/3:, Protein Purification, Mammaliar 2 MATH 171/190: Functions-geometry/Calculus 4 ENGL 2B: Critical Thinking through Literature 4 CHEM 121: General College Chemistry II 5
	3	Su 2	5th GE requirement 3 START WORKING 0 0	
	BIOTECH A.S.	9	Fall 3	PHYS 120: General College Physics I 4 CHEM 226: Organic Chemistry I 5 0 0
		5	IS 3	MATH 190: Calculus I 5 0
		BIOTECH AS-T	8	Spring 3
0	Su 3		0 0 0	

Any remaining requirements

For UC or Biochem transfer; CHEM 227 & MATH 191

Completed Degree/Certificate(s)

Biotechnology Technician, A.S. Biotechnology

Potential employment, wage

Lab assistant, manufacturing technician, Quality control assistant: \$15-23/hr

Next steps

Complete CSU or UC pattern while working, Transfer to Solano College Biomanufa

SUGGESTED General Education Choices

sequence. These are only suggestions, students may take any courses which meet the area requirements for transfer

Area	Area	Course	Reason	My Course Choice	My reason
Area 1 Area A					
1A	A2	ENGL 1A	already in schedule	ENGL 1A	always required
1B	A3	ENGL 2B	already in schedule, double-counts		
	A1	SPCH 120	already in schedule, biotech certificate		
Area 2 Area B					
		MATH 164	Major and cert. req, already in schedule		
Area 3 Area C					
3A	C1	MUSIC 120, DRAMA 101 (MU Musianship improves scientific success, Scientists must tell stories			
3B	C2	ENGL 2B	already in schedule, double-counts		
3A/B	C1/2	HIST 120-123 or PHILO 110	Dbl-count, Science on cutting edge of ethics; how fits in society's history		
Area 4 Area D					
1st	1st	HIST 120-123 or PHILO 110	Dbl-count, Science on cutting edge of ethics; how fits in society's history		
2nd	2nd	POLSC 125, ECON 220, LAR	Dbl count; Understand contribution of science via products, wealth		
any	any	PSYCH 128, 132, 220, 150	Medical applications, take 220 then 150 for pharmaceutical interest		
Area 5 Area B					
5A	B1	CHEM 120, 121, (PHYS 120)	already in schedule		
5B	B2	BIOSC 172, 147	already in schedule		
C-lab	3-lab	BIOSC 172L, 147	already in schedule		
Area 6A: Language proficiency (UC Only)					
CCC Course		CHIN, JAPA or SPAN 120	0		
CSU Area E: Lifelong learning & Self-development					
CCC Course		COUNS 120	Biotech Assistant Cert		
		0	0		
CSU Graduation: US History, Constitution, American Ideals					
Group 1		HIST 120-123	Dbl count		
Group 2		LARAZ 113, POLSC 125	Dbl count		

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