

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

SUGGESTED COURSE SEQUENCES

Recommended Preparation:

MATH 120, ENGL 142B

Full-time moderate pace:

12-14 units/semester

Total Semester units / session	Course	Units
14	Fall 1 BIOSC 172 + 172L: Introduction to Biotechnol BIOSC 182: GLP and GMP: Principles and Co MATH 164: Intro Probablty and Statistics ENGL 1A: Composition and Reading	4 2 4 4
BIOTECH ASST CERT 3	Interession 1 COUNS 120: Managing College Success and I	3 0
13	Spring 1 BIOSC157 + 159: Foundations in Biotechnol BIOSC 183/6: Mammalian Cell, Protein Purific SPCH 120: Public Speaking CHEM 120: General College Chemistry I	3 2 3 5
0	Summer 1 INTERNSHIP/WORK	0 0 0
13	Fall 2 BIOSC 147: Molecular and Cellular Biology 1st GE requirement 2nd GE requirement 3rd GE requirement	4 3 3 3
3	IS 2 4th GE requirement	3 0
15	Spring 2 BIOSC 186/3:, Protein Purification, Mammaliar MATH 171/190: Functions-geometry/Calculus ENGL 2B: Critical Thinking through Literature CHEM 121: General College Chemistry II	2 4 4 5
3	Su 2 5th GE requirement START WORKING	3 0 0
9	Fall 3 PHYS 120: General College Physics I CHEM 226: Organic Chemistry I	4 5 0 0
5	IS 3 MATH 190: Calculus I	5 0
8	Spring 3 PHYS 121: General College Physics II BIOSC 145: Organismal and Evolutionary Bic	4 4 0 0
0	Su 3 0	0 0 0

Any remaining requirements

For UC or Biochem transfer; CHEM 227 & MATH 191

Part-time pace:

6-9 units/semester

Total Semester units / session	Course	Units
7	Fall 1 BIOSC 172 + 172L: Introduction to Biotechnology COUNS 120: Managing College Success and Life Tra	4 3 0
0	Interession 1 0	0 0
7	Spring 1 BIOSC157 + 159: Foundations in Biotechnology MATH 164: Intro Probablty and Statistics	3 4 0
0	Summer 1 0	0 0
9	Fall 2 BIOSC 182: GLP and GMP: Principles and Complian ENGL 1A: Composition and Reading 1st GE requirement	2 4 3
0	IS 2 0	0 0
7	Spring 2 CHEM 120: General College Chemistry I BIOSC 186/3:, Protein Purification, Mammalian Cell	5 2 0
0	Su 2 0	0 0
9	Fall 3 BIOSC 183/6: Mammalian Cell, Protein Purification SPCH 120: Public Speaking BIOSC 147: Molecular and Cellular Biology	2 3 4
3	IS 3 2nd GE requirement	3 0
8	Spring 3 MATH 171/190: Functions-geometry/Calculus ENGL 2B: Critical Thinking through Literature	4 4 0
3	Su 3 3rd GE requirement	3 0
7	Fall 4 PHYS 120: General College Physics I 4th GE requirement	4 3 0
0	IS 4 0	0 0
8	Spring 4 CHEM 121: General College Chemistry II 5th GE requirement	5 3 0
0	Su 4 0	0

Any remaining requirements

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

Completed Degree/Certificate(s)

Potential employment, wage

Next steps

SUGGESTED General Education Choices

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

Area	Area		Reason	My Course	My reason
IGETC	CSU	Course		Choice	
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 (M)	Musicianship 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	DbI-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	DbI-count, Science on cutting edge of ethics; how fits in society's history		
2nd	2nd	POLSC 125, ECON 220, LAF	DbI 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	DbI count		
Group 2		LARAZ 113, POLSC 125	DbI count		