

Associate in Science in Biotechnology (TCC) to

INKEDEGREE

Bachelor of Science in Biochemistry and Molecular Biology: Pre-Medical or Pre-Veterinary Science (OSU)

TULSA COMMUNITY COLLEGE (years 1 and 2) – 2020-21

Year One – Tulsa Community College						
Fall Semester			Spring Semester			
TCC Equivalent or Substitute	OSU Requirement	\checkmark	TCC Equivalent or Substitute	OSU Requirement	\checkmark	
ENGL 1113 – Composition I	ENGL 1113		ENGL 1213 – Composition II	ENGL 1213		
HIST 1483 – Am Hist 1492 - Civil War	HIST 1483 (H)		POLS 1113 – American Federal	POLS 1113		
or	or		Government			
HIST 1493 – Am Hist Civil War - now	HIST 1493 (DH)					
MATH 1513* – Precalculus I (A)	MATH 1513 (A)		CHEM 1315– General Chemistry I	CHEM 1314 (LN) +		
				1 1 (LN)		
BIOT 1113 – Introduction to	MICR 13		BIOT 1533 – Cell Culture Techniques	MICR 13 (in 7		
Biotechnology	(general elective)			hours major		
				related)		
BIOL 1224 – Introduction to Biology	BIOL 1114 (LN)					
for Majors						
Semester Credit Hours at TCC: 16			Semester Credit Hours at TCC: 14			

*OSU requires MATH 2114 for this degree program. If a student places into MATH 1613, 1715 or 2114 it is recommended that they take one of those courses at TCC for their General Education Math. If a student takes MATH 1513, two additional Math courses will be needed at OSU.

Year Two – Tulsa Community College						
Fall Semester		Spring Semester				
TCC Equivalent or Substitute	OSU Requirement	\checkmark	TCC Equivalent or Substitute	OSU Requirement	\checkmark	
Humanities (3 credit hours)	(H) Humanities		Humanities (3 credit hours)	(H) Humanities		
BIOT 2245 – Molecular Biology and	MICR 25 (5 hours		BIOT 2334 – Biotechnology	MICR 24 (in 7		
Techniques	N – waived with AS		Proteomics & Instrumentation	hours major		
	degree)			related)		
CHEM 1415– General Chemistry II	CHEM 1515 (LN)		BIOL 2164 – Microbiology	MICR 2123 (N)		
				& MICR 2132 (LN)		
ECON 2023 – Microeconomics	ECON 2003 (S)		BIOL 1404 – General Botany or	PBIO 1404 (LN) or		
(General Ed Required Elect)	subs for AGEC		BIOL 1604 - Zoology	BIOL 1604		
	1113					
Semester Credit Hours at TCC: 16			Semester Credit Hours at TCC: 15			

Before transferring to OSU, have the TCC Registrar send an official transcript to the OSU Admissions Office with any degrees earned noted on the transcript. If you have not completed the requirements for an associate degree, talk with your OSU Academic Advisor about Reverse Transfer options to use OSU coursework to complete your TCC associate degree.



Year Three – Oklahoma State University					
Fall Semester		Spring Semester			
OSU Requirement	✓	OSU Requirement	\checkmark		
CHEM 3053 – Organic Chemistry I		CHEM 3153 – Organic Chemistry II			
MATH 1813 – Preparation for Calculus		CHEM 3112 – Organic Chemistry Laboratory			
3 hours from Group 1, 2, or 3		STAT 2013 – Elementary Statistics or			
		MATH 2153 – Calculus II or			
		STAT 4013 – Statistical Methods I			
ANSI 3423 – Animal Genetics		BIOL 3204 – Physiology			
BIOL 3023 – General Genetics or		ENTO 3044 – Insect Morphology and Physiology or			
PLNT 3554 – Plant Genetics and Biotechnology		PBIO 4463 – Plant Physiology			
AGCM 3103 – Written Communication in ASNR or		MATH 2144 – Calculus I			
BCOM 3113 – Written Communication or					
BCOM 3443 – Business Comm for International Students or					
ENGL 3323 – Technical Writing					
Semester Credit Hours at OSU: 15-16		Semester Credit Hours at OSU: 15-16			

OKLAHOMA STATE UNIVERSITY (years 3 and 4) – 2019-20

Year Four – O	klaho	ma State University		
Fall Semester		Spring Semester		
OSU Requirement	✓	OSU Requirement	√	
BIOC 3713 – Biochemistry I		BIOC 3813 – Biochemistry II		
BIOC 3223 – Physical Chemistry for Biologists or		BIOC 3723 – Biochemistry and Molecular Biology Lab		
CHEM 3433 – Physical Chemistry I				
AGCM 3203 – Oral Communications in ASNR or		BIOC 4883 – Senior Seminary in Biochemistry		
SPCH 3733 – Elements of Persuasion				
PHYS 1114 – College Physics I or		PHYS 1214 – College Physics II or		
PHYS 2014 – University Physics I		PHYS 2114 – University Physics II		
3 hours general elective (must be upper division)		2 hours general elective if needed to meet total 120 hours and 60 hours from a 4-year institution (must be upper division) or if needed to meet 40 hours upper division		
Semester Credit Hours at OSU: 16		Semester Credit Hours at OSU: 15	<u> </u>	

This is just one example of how a student may complete the degree.

