

Texas Academy of Biomedical Sciences Course Crosswalk

Associate of arts and high school diploma

	Ninth grade		Tenth grade		Eleventh grade		Twelfth grade	
High school	English language arts							
	Honors English 1 or	Honors English 2 or		Honors English 3 or		English 4 or		
	Honors English 2	Honors English 3 or		Dual-credit		Dual-credit		
		Dual-credit						
	Mathematics							
	Honors Algebra 1 or	Honors geometry or		Honors Algebra 2 or		Advanced quantitative reasoning or		
	Honors geometry or	Honors Algebra 2 or		A.P. precalculus or		A.P. precalculus or		
	Honors Algebra 2	A.P. precalculus or		A.P. Calculus AB or		A.P. Calculus AB or		
		Dual-credit		A.P. Calculus BC or		A.P. Calculus BC or		
				Dual-credit		Dual-credit		
	Social studies							
	A.P. human geography	Honors world civilization or		Honors U.S. history or		Personal financial literacy and economics or		Federal government or
		Dual-credit		Dual-credit		Dual-credit		Dual-credit
	Science							
	Honors biology or	Honors physics or		Honors chemistry or		A.P. environmental science or		
	Honors physics	A.P. biology or		A.P. biology or		Honors human pathophysiology or		
		Dual-credit		A.P. environmental science or		Honors Scientific Research and Design 2 or		
				Honors human pathophysiology or		Honors Scientific Research and Design 3 or		
			Dual-credit		Dual-credit			
Composition – six hours								
	ENGL 1301 (03220300)	ENGL 1302 (03220300)	ENGL 1301 (03220300)	ENGL 1302 (03220300)	ENGL 1301 (03220300)	ENGL 1302 (03220300)		
Speech and communication skills – three hours selected from the following courses								
	SPCH 1311 (03241400)	SPCH 1321 (13009900)	SPCH 1311 (03241400)	SPCH 1321 (13009900)	SPCH 1311 (03241400)	SPCH 1321 (13009900)		
Mathematics – three hours selected from the following courses								
	MATH 1314 (03101100)	MATH 2412 (03101100)	MATH 1314 (03101100)	MATH 2412 (03101100)	MATH 1314 (03101100)	MATH 2412 (03101100)		
			MATH 1342 (03102500)	MATH 2413 (A03100101)	MATH 1342 (03102500)	MATH 2413 (A03100101)		
College								

College	Life and physical sciences – eight hours selected from the following courses							
			CHEM 1411 (03040000)	CHEM 1412 (03040000)	CHEM 1411 (03040000)	CHEM 1412 (03040000)	BIOL 1406 (13037200)	BIOL 1407 (13037200)
							BIOL 1408 (13037200)	BIOL 1409 (13037210)
							BIOL 2401 (13020600)	BIOL 2402 (13020600)
							PHYS 1401 (03050000)	PHYS 1402 (03050000)
	Creative arts – three hours selected from the following courses							
	ARTS 1301 (03500110)	DRAM 1310 (03250100)	MUSI 1306 (03155600)	DRAM 1310 (03250100)	MUSI 1306 (03155600)	DRAM 1310 (03250100)	MUSI 1306 (03155600)	
	Language, culture and philosophy – three hours selected from the following courses							
		HIST 2321 (03340400)	HIST 2322 (03340400)	ENGL 2327 (03220400)	ENGL 2328 (03220400)	ENGL 2327 (03220400)	ENGL 2328 (03220400)	
		HUMA 1301 (03221600)		HUMA 1301 (03221600)		HUMA 1301 (03221600)		
	American history – six hours							
				HIST 1301 (03340100)	HIST 1302 (03340100)			
	Government and political science – six hours							
		GOVT 2306 (03380022)		GOVT 2306 (03380022)		GOVT 2305 (03330100)	GOVT 2306 (03380022)	
	Social or behavioral science – three hours selected from the following courses							
				PSYC 2301 (03350100)	SOCI 1301 (03370100)	ECON 2301 (03310300)	PSYC 2301 (03350100)	
						SOCI 1301 (03370100)		
	Health and wellness – one hour							
		KINE 1164 (PES00051)						
	Electives – at least 18 hours selected from the following courses							
SPAN 1411 (03440100)	SPAN 1412 (03440200)	ARTS 1311 (03500100)	ARTS 1312 (03501210)	ARTS 1311 (03500100)	ARTS 1312 (03501210)	ARTS 1311 (03500100)	ARTS 1312 (03501210)	
EDUC 1300 (N1290050)		DRAM 1351 (03250100)	KINE 1304 (03810100)	DRAM 1351 (03250100)	ENGL 2311 (03221100)	CHEM 2423 (N1120027)	CHEM 2425 (N1120027)	
		MUSI 1306 (03155600)		MATH 2414 (A3100102)	MUSI 1306 (03155600)	MATH 2414 (A3100102)	MATH 2415 (03102500)	
				PSYC 2314 (03380021)		DRAM 1351 (03250100)	ENGL 2311 (03221100)	
						PSYC 2314 (03380021)		
Career	Central sterile processing pathway							
						HPRS 1370 and HPRS 1470 (13020500)	HPRS 1471 (13020500)	

Note: The degree plan outlined above includes 42 core hours, transferable to any public university in Texas.

Updated Aug. 1, 2023

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High school	English language arts							
	Honors English 1 or	Honors English 2 or		Honors English 3 or		English 4 or		
	Honors English 2	Honors English 3 or		Dual-credit		Dual-credit		
		Dual-credit						
	Mathematics							
	Honors Algebra 1 or	Honors geometry or		Honors Algebra 2 or		Advanced quantitative reasoning or		
	Honors geometry or	Honors Algebra 2 or		A.P. precalculus or		A.P. precalculus or		
	Honors Algebra 2	A.P. precalculus or		A.P. Calculus AB or		A.P. Calculus AB or		
		Dual-credit		A.P. Calculus BC or		A.P. Calculus BC or		
				Dual-credit		Dual-credit		
	Social studies							
	A.P. human geography	Honors world civilization or		Honors U.S. history or		Personal financial literacy and economics or		Federal government or
		Dual-credit		Dual-credit		Dual-credit		Dual-credit
	Science							
	Honors biology or	Honors physics or		Honors chemistry or		A.P. environmental science or		
	Honors physics	A.P. biology or		A.P. biology or		Honors human pathophysiology or		
		Dual-credit		A.P. environmental science or		Honors Scientific Research and Design 2 or		
				Honors human pathophysiology or		Honors Scientific Research and Design 3 or		
			Dual-credit		Dual-credit			
College								
Composition – six hours								
	ENGL 1301 (03220300)	ENGL 1302 (03220300)	ENGL 1301 (03220300)	ENGL 1302 (03220300)	ENGL 1301 (03220300)	ENGL 1302 (03220300)		
Speech and communication skills – three hours selected from the following courses								
	SPCH 1311 (03241400)	SPCH 1321 (13009900)	SPCH 1311 (03241400)	SPCH 1321 (13009900)	SPCH 1311 (03241400)	SPCH 1321 (13009900)		
Mathematics – three hours selected from the following courses								
	MATH 1314 (03101100)	MATH 2412 (03101100)	MATH 1314 (03101100)	MATH 2412 (03101100)	MATH 1314 (03101100)	MATH 2412 (03101100)		
			MATH 2413 (A03100101)	MATH 2414 (A3100102)	MATH 2413 (A03100101)	MATH 2414 (A3100102)		
					MATH 2415 (03102500)			

College	Life and physical sciences – eight hours selected from the following courses, as long as they are within the same discipline						
			CHEM 1411 (03040000)	CHEM 1412 (03040000)	BIOL 1406 (13037200)	BIOL 1407 (13037200)	
					CHEM 1411 (03040000)	CHEM 1412 (03040000)	
					CHEM 2423 (N1120027)	CHEM 2425 (N1120027)	
					PHYS 1401 (03050000)	PHYS 1402 (03050000)	
	Creative arts – three hours selected from the following courses						
	ARTS 1301 (03500110)	DRAM 1310 (03250100)	MUSI 1306 (03155600)	DRAM 1310 (03250100)	MUSI 1306 (03155600)	DRAM 1310 (03250100)	MUSI 1306 (03155600)
	Language, culture and philosophy – three hours selected from the following courses						
		HIST 2321 (03340400)	HIST 2322 (03340400)	ENGL 2327 (03220400)	ENGL 2328 (03220400)	ENGL 2327 (03220400)	ENGL 2328 (03220400)
		HUMA 1301 (03221600)		HUMA 1301 (03221600)		HUMA 1301 (03221600)	
	American history – six hours						
				HIST 1301 (03340100)	HIST 1302 (03340100)		
	Government and political science – six hours						
		GOVT 2306 (03380022)		GOVT 2306 (03380022)		GOVT 2305 (03330100)	GOVT 2306 (03380022)
	Social or behavioral science – three hours selected from the following courses						
				PSYC 2301 (03350100)	SOCI 1301 (03370100)	ECON 2301 (03310300)	PSYC 2301 (03350100)
					SOCI 1301 (03370100)		
Health and wellness – one hour							
	KINE 1164 (PES00051)						
Electives – at least 18 hours selected from mathematics or life and physical sciences above, provided hours do not apply to core requirements							

Note: The degree plan outlined above includes 42 core hours, transferable to any public university in Texas.