



AA BIOLOGY to BS BIOLOGY
Recommended 4-Year Course Sequence
2025-2026 Catalog



FRESHMAN YEAR							
Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
ENGL 1301		Composition I	3	ENGL 1302		Composition II	3
HIST 1301		US History I	3	HIST 1302		US History II	3
EDUC/PSYC 1300		*Learning Framework	3	BIOL 1407	BIOL 1307/1107	Biology for Science Majors II; General Biology II/Lab	4
BIOL 1406	BIOL 1306/1106	Biology for Science Majors I; General Biology I/Lab	4	CHEM 1411		General Chemistry I	4
MATH 2312		Pre-Calculus	3	MATH 2413		Calculus I	4
			16				18
SOPHOMORE YEAR							
Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
GOVT 2305		Federal Government	3	GOVT 2306		Texas Government	3
		LPC Core	3			Creative Arts Core	3
CHEM 1412		General Chemistry II	4			Social & Behavioral Core	3
PHYS 1401	PHYS 1301/1101	College Physics I	4	PHYS 1402	PHYS 1302/1102	College Physics II	4
MATH 1342		Elementary Statistical Methods	3			Suggested Pathway Elective	3
			17				16
JUNIOR YEAR							
Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
	CHEM 3342	Organic Chemistry I	3		CHEM 3344	Organic Chemistry II	3
	CHEM 3143	Organic Chemistry I Lab	1		CHEM 3145	Organic Chemistry II Lab	1
	BIOL 3332	Genetics	3		BIOL	Group I	3
	BIOL 3133	Genetics Lab	1		BIOL	Group I Lab	1
	BIOL 3336	Ecology	3		BIOL 3334	Cell Biology	3
	BIOL 3137	Ecology Lab	1		BIOL 3134	Cell Biology Lab	1
		Elective	3		BIOL 3338	Biological Evolution	3
			15				15
SENIOR YEAR							
Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
	BIOL 3339	Plant Biology	3		BIOL	Group III	3
	BIOL 3139	Plant Biology Lab	1		BIOL	Group III Lab	1
	CHEM 4334	Biochemistry I	3		BIOL 4115	Scientific Communication II	1
	CHEM 4135	Biochemistry I Lab	1		BIOL	Group IV	3
	BIOL	Group II	3		BIOL	Group IV Lab	1
	BIOL 4114	Scientific Communication I	1			Elective	2
			12				11
Total Credit Hours at Trinity Valley Community College							51
Total Credit Hours at UT Tyler							69
Total Credit Hours							120

*EDUC/PSYC 1300 is required for the Associate Degree at TVCC

At least one lecture and laboratory from each of the following groups is required:

Group I: Microbiology, Aquatic Biology, Zoo Science Management

Group II: Biogeography, Genomics, Conservation Biology, Immunology

Group III: Comparative Vertebrate Biology, Entomology, Ornithology, Herpetology

Group IV: Vertebrate Natural History, Physiology, Bioinformatics, Wildlife Conservation Management

Courses highlighted on the pathway can be taken via co-enrollment at UT Tyler.