



**BIOLOGY AA to BIOLOGY BS**  
 Recommended 4-Year Course Sequence  
 2024-2025 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		Biology for Science Majors II	4
BIOL 1406		Biology for Science Majors I	4	CHEM 1411		General Chemistry I	4
MATH 2413		Calculus I	4				
			17				14

**SOPHOMORE YEAR**

Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
GOVT 2305		Federal Government	3	GOVT 2306		Texas Government	3
		* *Math Elective	3			Creative Arts Core	3
		LPC Core	3			Social & Behavioral Core	3
CHEM 1412		General Chemistry II	4	PHYS 1402		University Physics II	4
PHYS 1401		University Physics I	4			Suggested Pathway Elective	3
			17				16

**JUNIOR YEAR**

Fall				Spring			
TVCC	UT Tyler	Title	Hours	TVCC	UT Tyler	Title	Hours
	CHEM 3310	Analytical Chemistry	3		CHEM 3344	Organic Chemistry II	3
	CHEM 3111	Analytical Chemistry Lab	1		CHEM 3145	Organic Chemistry II Lab	1
	CHEM 3342	Organic Chemistry I	3		BIOL	Group I	3
	CHEM 3143	Organic Chemistry I Lab	1		BIOL	Group I Lab	1
	BIOL 3332	Genetics	3		BIOL 3334	Cell Biology	3
	BIOL 3133	Genetics Lab	1		BIOL 3134	Cell Biology Lab	1
	BIOL 3336	Ecology	3		BIOL 3338	Biological Evolution	3
	BIOL 3137	Ecology Lab	1				
			16				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	Group II Lab	1			Elective	3
	BIOL 4114	Scientific Communication I	1				
			13				12

Total Credit Hours at Trinity Valley Community College **64**  
 Total Credit Hours at UT Tyler **56**  
 Total Credit Hours **120**

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

\* \*Cannot be MATH 1332 or MATH 1350

At least one lecture and laboratory from each of the following groups is required:  
 Group I: Microbiology, Bioinformatics, Molecular Biology for Modifying Organisms  
 Group II: Biogeography, Genomics, Conservation Biology, Immunology  
 Group III: Aquatic Biology, Entomology, Ornithology  
 Group IV: Vertebrate Natural History, Physiology, Herpetology