

ACCELERATED BACHELOR OF SCIENCE IN BIOLOGY/MASTER OF SCIENCE IN BIOLOGY

Web Site: <https://twu.edu/biology/undergraduate-programs/bachelor-of-science-in-biology/>

Plan of Study

First Year

Fall		TCCN	SCHs
BIOL 1113 & BIOL 1111	Principles of Biology I and Principles of Biology I Laboratory	BIOL 1406 & BIOL 1106	4
CHEM 1113 & CHEM 1111	General Chemistry I and General Chemistry Laboratory I	CHEM 1311 & CHEM 1111	4
MATH 1303 or 2014	College Algebra or Calculus I	MATH 1314 or MATH 2413	3-4
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	First-Year Seminar: Learning Frameworks	EDUC 1100, EDUC 1200, EDUC 1300	1

SCHs 15-16

Spring		TCCN	
BIOL 1123 & BIOL 1121	Principles of Biology II and Principles of Biology II Laboratory	BIOL 1407 & BIOL 1107	4
CHEM 1123 & CHEM 1121	General Chemistry II and General Chemistry Laboratory II	CHEM 1312 & CHEM 1112	4
MATH 1703	Elementary Statistics I	MATH 1342	3
ENG 1023	Composition II	ENGL 1302	3

SCHs 14

Second Year

Fall		TCCN	
BACT 3113 & BACT 3111	General Microbiology and General Microbiology Laboratory		4
CHEM 2213 & CHEM 2211	Organic Chemistry I and Organic Chemistry Laboratory I	CHEM 2323 & CHEM 2123	4
Creative Arts Core			3
General Elective			3

SCHs 14

Spring		TCCN	
BIOL 2113 & BIOL 2111	Plant Biology and Plant Biology Laboratory	BIOL 1411 & BIOL 1111	4
BIOL 4293	Scientific Communication		3
CHEM 3223 & CHEM 3221	Organic Chemistry II and Organic Chemistry Laboratory II		4
Language, Philosophy, & Culture Core			3

SCHs 14

Summer		TCCN	
BIOL 4983	Undergraduate Research		3
POLS 2013	U.S. National Government	GOVT 2305	3
POLS 2023	Texas Government	GOVT 2306	3
SCHs			9

Third Year		TCCN	
Fall			
BIOL 4813 & BIOL 4811	Molecular and Cellular Biology: Gene Expression and Molecular and Cellular Biology: Gene Expression Laboratory (Must earn a B or better)		4
ZOOL 4243 & ZOOL 4241	Medical Physiology and Medical Physiology Laboratory		4
BIOL 4983	Undergraduate Research		3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3

SCHs 14

Spring		TCCN	
BIOL 4823 & BIOL 4821	Molecular and Cellular Biology: Genetics and Inheritance and Molecular and Cellular Biology: Genetics and Inheritance Laboratory (Must earn a B or higher)		4
BIOL 4983	Undergraduate Research		3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Social/Behavioral Sciences Core			3

SCHs 13

Fourth Year		TCCN	
Fall			
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	PHYS 1301 & PHYS 1101	4
BIOL 4681	Biology Seminar		1
BIOL 4983	Undergraduate Research		3
BIOL 5503	Research Methods		3
BIOL 5543	Genome Editing and Ethics, Policy, and Public Impact		3

SCHs 14

Spring		TCCN	
PHYS 1143 & PHYS 1141	Principles of Physics II and Principles of Physics Laboratory II		4
BIOL 5611	Readings in Biology		1
BIOL 5681	Seminar		1
BIOL 5333	Advanced Pathophysiology		3
BIOL 5801	Biological Research		1
Multicultures Women's Studies CAO Core			3

SCHs 13

Total SCHs: 120-121

This plan of study is for completion of the undergraduate portion of the accelerated B.S. in Biology / M.S. in Biology program. In the third year of the B.S. in Biology, students must apply for formal admission

to the M.S. in Biology graduate program and meet all admissions requirements. Please see the Graduate Catalog for a complete list of degree requirements for the M.S. in Biology program (<https://catalog.twu.edu/graduate/arts-sciences/biology/biology-ms/>).