

BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES

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

Recommended 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	College Algebra	MATH 1314	3
ENG 1013	Composition I	ENGL 1301	3
UNIV 1231	Learning Frameworks: First-Year Seminar	EDUC 1100, EDUC 1200, EDUC 1300	1
SCHs			15

Spring		TCCN	SCHs
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
Multicultural Women's Studies CAO Core			3
SCHs			17

Second Year

Fall		TCCN	SCHs
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
POLS 2013	U.S. National Government	GOVT 2305	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
Biology Elective (in consultation with advisor)			3
SCHs			17

Spring		TCCN	SCHs
ZOOL 4243 & ZOOL 4241	Medical Physiology and Medical Physiology Laboratory		4
CHEM 3223 & CHEM 3221	Organic Chemistry II and Organic Chemistry Laboratory II		4
POLS 2023	Texas Government	GOVT 2306	3

HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
Creative Arts Core			3

SCHs 17

Third Year

Fall		TCCN	SCHs
BIOL 4813 & BIOL 4811	Molecular and Cellular Biology: Gene Expression and Molecular and Cellular Biology: Gene Expression Laboratory		4
PHYS 1133 & PHYS 1131	Principles of Physics I and Principles of Physics Laboratory I	PHYS 1301 & PHYS 1101	4
Biology Elective (in consultation with advisor)			3
Social/Behavioral Science Core			3
Language, Philosophy & Culture Core			3

SCHs 17

Spring		TCCN	SCHs
BACT 4113 & BACT 4111	Immunology and Immunology Laboratory		4
Chose one of the following			4-5

CHEM 3333		Quantitative Chemical Analysis and Quantitative Chemical Analysis Laboratory	
& CHEM 3333			
CHEM 3633		Biochemistry I and Biochemistry I Laboratory	
& CHEM 3632			
BIOL 4681	Biology Seminar		1
Biology Elective (in consultation with advisor)			3

SCHs 12-13

Fourth Year

Fall		TCCN	SCHs
Clinical Rotation - Upper Level			14

SCHs 14

Spring		TCCN	SCHs
Clinical Rotation - Upper Level			13

SCHs 13

Total SCHs: 122-123