

2024-2025

Bachelor of Science in Mathematics with a Concentration in Actuarial Science  
Math (120 hrs.)

Mathematics (48 hrs.)

English (9 hrs.)

Course	Course Title	Credits	Grade	✓	Sem.	Course	Course Title	Credits	Grade	✓	Sem.
1910	Calculus I	4				1010	English Comp. I	3			
1920	Calculus II	4				1020	English Comp. II	3			
2010	Intro. Linear Algebra	3				2130	Top. American Lit.	3			
2110	Calculus III	4				2235	Top. British Lit., or				
2120	Differential Equations	3				2330	Top. World Lit.				
3810	Complex Variables	3									
3400	Intro Concepts Math	3									
3070	Statistical Methods I	3									
3080	Statistical Methods II	3									

**Natural Science Sequence (8 hrs.)**

8 credit hours chosen from the TTU General Education Core Courses in the Natural Sciences. These credit hours must come from two 4-credit hour courses in the

**Required Minor in Business:**

ECON 2010, 2020, Principles of Macroeconomics

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Freshman Year	Sem. Hrs.	Sophomore Year	Sem. Hrs.
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Natural Science Sequence*	8	ENGL 2130, or 2235, or 2330	3
Humanities/Fine Arts Elective	3	COMM 2025 Fund of Communication	3
CSC 1300 Intro Prob. Sol & Comp Prog	4	<b>OR</b>	
<b>OR</b>		PC 2500 Comm. in the Profession	3
ENGR 1120 for	2	Social/Behavioral Science Electives	6
2010 Principles of economics	3	Humanities/Fine Arts Electives	3
		<b>Total</b>	<b>31</b>

Junior Year	Sem. Hrs.	Senior Year	Sem. Hrs.
MATH 3810 Complex Variables	3	MATH 4010 Modern Algebra I	3
MATH 3070 Statistical Methods I	3	MATH 4530 Linear Algebra I	3
MATH 3080 Statistical Methods II	3	MATH 4110 Advanced Calculus I	3
MATH 4470 Probability and Statistics I	3	MKT 3400 Principles of Marketing	3
MATH 4480 Probability and Statistics II	3	FIN 3210 Principles/Managerial Finance	3
HIST 2010 Early US History	3	LAW 3810 Business Legal Env & Ethics	3
		<b>Total</b>	<b>31</b>