

STATISTICS (ACTUARIAL SCIENCE), B.S.

Current students wishing to declare the statistics major with an Actuarial Science concentration must meet both of the following requirements:

1. have completed MTH 1322 Calculus II with a minimum grade of C, and
2. must have an overall GPA of 3.0 or higher.

Transfer students must wait to earn a Baylor GPA of 3.0 or higher before declaring the Actuarial Science concentration.

Requirements for a Major in Statistics (Actuarial Science)

Code	Title	Hours
Twenty-seven semester hours including the following:		
Required Courses		
STA 3381	Probability and Statistics	3
STA 3386	Regression Analysis	3
STA 4382	Intermediate Statistical Methods	3
STA 4385	Mathematical Statistics I	3
STA 4386	Mathematical Statistics II	3
Twelve additional hours of STA, nine of which must be at the 4000-level ¹		12
<i>Additional Requirements</i>		
A grade of "C" or better in courses used for the major.		
Subtotal		27
Required Courses in Other Fields		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
CSI 1401	Introduction to Programming I	4
or CSI 1430	Introduction to Computer Science I with Laboratory	
or STA 2450	Introduction to Computing for the Mathematical and Statistical Sciences	
Eight semester hours of science courses (with no more than 4 hours from GEO) with appropriate labs selected from the following:		8
BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	
ENV 1301 & ENV 1101	Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)	

ENV 1303 & ENV 1103	Wildlife Ecology and Wildlife Ecology Laboratory Exercises	
GEO 1306 & GEO 1106	The Earth Through Time and The Earth Through Time, Laboratory	
or GEO 1307 & GEO 1106	Evolution and Extinction and The Earth Through Time, Laboratory	
GEO 1401	Earthquakes and Other Natural Disasters	
GEO 1402	World Oceans	
GEO 1403	Environmental Geology	
GEO 1405	The Dynamic Earth	
GEO 1408	Earth Science	
NSC 1306 & NSC 1106	Introduction to Neuroscience and Introduction to Neuroscience Laboratory	
PHY 1420 or PHY 1430	General Physics I General Physics II	
Select eighteen semester hours from the following courses:		18
ACC 2303	Financial Accounting	
ECO 2306	Principles of Microeconomics	
ECO 2307	Principles of Macroeconomics	
ECO 3306	Intermediate Microeconomic Analysis	
ECO 3307	Intermediate Macroeconomic Analysis	
FIN 3305	Principles of Risk Management and Insurance	
FIN 3310	Introduction to Corporate Finance	
FIN 4320	Fundamentals of Property and Liability Insurance	
FIN 4366	Options, Futures, and Other Derivatives	
Total Hours		69

¹ STA 4V90 Special Topics in Statistics may be taken for a maximum of 6 hours.