

**Student Learning Outcomes for the B.S. degree in Statistics  
at Kansas State University**

Graduates of the Bachelor of Science degree in Statistics will have demonstrated:

1. an understanding of the importance of statistical theory and how it is applied to practical problems
2. familiarity with regression and analysis of variance methodologies
3. the ability to use graphical methods to display and interpret information
4. familiarity with statistical programming packages
5. familiarity with the basic computer science skills used in statistics
6. familiarity with the basic mathematical skills needed for statistics
7. an understanding of the importance of using data when making decisions
8. the ability to communicate statistical concepts to non-statisticians
9. an understanding that statistics may be applied to any field of study.