

# MTHE5326 - Problems Using Statistics and Probability

[MTHE 5326](#) Problems Using Statistics and Probability (3 semester credit hours) Selected concepts in statistics and probability. Solving non-routine problems and adapting them for classroom use and incorporating topics from statistics, probability, and data analysis into existing high school courses. Topics include describing patterns in data and their variability, sampling and experimental design, exploring random phenomena using probability and simulation, and statistical inference. Appropriate technology will be used. May not be used to fulfill degree requirements for mathematical sciences majors except those in the Master of Arts in Teaching (MAT) program. Recommended Prerequisite: A junior-level mathematics course. (3-0) T