

## Engr 453: Prob and Stat Analyses in Engr Design

### [School of Engineering](#)

Introduction to probability, statistics, uncertainty, and reliability. Application of common continuous and discrete probability distributions. Design under uncertainty and elementary decision analysis. Simulation of random variables. Applications in natural and man-made materials, hydrological and geological conditions and other natural processes and engineering design.

3 Credits

### Prerequisites

- [Math 263: Unified Calculus & Analytic Geometry III](#) (Minimum grade: C)
- Pre-Requisite: 24 Earned Hours

### Instruction Type(s)

- Lecture: Lecture for Engr 453

### Subject Areas

- [Engineering, General](#)

