

ECSE 205. PROBABILITY AND STATISTICS FOR ENGINEERS

Credits: 3

Offered by: Electrical & Computer Engr (Faculty of Engineering)

Terms offered: Summer 2025, Fall 2025, Winter 2026

View offerings for Summer 2025 or Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Probability: basic probability model, conditional probability, Bayes rule, random variables and vectors, distribution and density functions, common distributions in engineering, expectation, moments, independence, laws of large numbers, central limit theorem. Statistics: descriptive measures of engineering data, sampling distributions, estimation of mean and variance, confidence intervals, hypothesis testing, linear regression.

- Prerequisite: MATH 262
- Not open to students who have taken ECSE 305.
- (3-2-4)

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