

UCLA

Student Learning Outcomes for the B.S. in Financial Actuarial Mathematics

Financial Actuarial Mathematics graduates:

- should have a strong mathematical content knowledge of single and multivariate differential and integral Calculus and differential equations.
- will be familiar with linear algebra, techniques of proof and the foundations of real analysis.
- will learn how to synthesize material, problem solve, and think abstractly.
- will be able to perform basic computer programming, especially in C++.
- will be able to pass at least the first four preliminary Society of Actuary exams and be familiar with basic statistical analysis (probability distributions, random variables, survey sampling, testing, data summary, sums of squares principle, testing general linear hypothesis in regression, inference procedures).