The interdisciplinary Financial Computation and Modeling (FCAM) program is offered through a collaboration of the departments of Statistics and Economics. The FCAM minor consists of six courses focusing on the strategies and computational technologies used in the financial industry. The minor is designed for those undergraduate students with strong computational skills and an interest in finance. Many students pursuing the FCAM minor enter careers in the financial industry, either immediately after completion of their undergraduate studies or after graduate studies. Students completing the FCAM minor will understand the complexities of financial markets and their role in and impact on world economies.

The basic tools component of the FCAM curriculum will equip students with the economic, probability, and statistical tools necessary to pursue the advanced analytical courses. In the advanced courses, students will be exposed to state-of-the-art models and methodologies based on long-standing assumptions about the behavior of financial markets. They also will be exposed to alternative views of market behavior and investment strategies. The goal is to educate students to question basic assumptions as well as utilize and understand technologies based on these important assumptions. In the financial industry, a large suite of solutions are implemented and continually enhanced. A goal of the FCAM program is to train leaders in this industry who not only will understand the financial technologies but also will understand the role, impact, and potential pitfalls of these technologies.

Minor


Financial Computation and Modeling does not currently offer an academic program at the graduate level.

Director

Katherine B. Ensor, Statistics

Steering Committee and Undergraduate Advisors

Ted Loch-Temzelides, Economics
James R. Thompson, Statistics

For Rice University degree-granting programs: