SAIF | MF

Shanghai Advanced Institute of Finance
Master of Finance Program
New Track: MF-FinTech

About SAIF & MF Program

Shanghai Advanced Institute of Finance (SAIF) was established within Shanghai Jiao Tong University (SJTU) in April 2009, with strategic and financial support from the Shanghai Municipal Government. SAIF is AACSB accredited and is recognized internationally as one of the top business schools in the world.

The Master of Finance (MF) program has been the flagship program at SAIF since its inception in the Autumn of 2009. SAIF's MF program was ranked No.1 in Asia and No.14 globally by the Financial Times in 2017. Currently, SAIF MF stands as one of the most prestigious finance programs in Asia.

The SAIF MF Program recruits world-class faculty from leading business schools around the world. The program (which is taught completely in English) has a cutting-edge curriculum, an educational structure with an international vision, and state-of-the-art facilities supported by a financial trading lab. The curriculum is designed to anticipate future trends, as well as to meet requirements for current practices within the financial industry — both in China and abroad. In addition to the technical skills provided by our major finance classes, our LIVE Learning Center and the "Extended Learning and Student Activities" (ELSA) seminars help students to enhance their practical skills and knowledge.

About MF-FinTech

The financial world has been embracing FinTech over the last few years. In addition to mobile payments and money transfers that we now all enjoy in China, FinTech has been making a big impact in consumer credit analysis, asset management, insurance, transaction processing, etc. The use of blockchain technology, big data, and machine learning techniques are changing how economic activities are designed, how data is collected and analyzed, and how quickly this information is then utilized effectively. Building on the success of our current MF program, SAIF is launching a new track — the MF-FinTech Program. In addition to core courses in finance, MF-FinTech emphasizes rigorous training in statistics & machine learning, computer skills & applications.

We are recruiting students who can rise to the challenge of the cross-disciplinary training of this program, and who can lead the change in the financial world upon graduation. SAIF is here to develop future industry leaders with expertise in finance, big data, machine learning, and practical IT implementation.

2Y TWO-YEAR ENGLISH PROGRAM   WORLD-CLASS FACULTY   SOLID CURRICULUM   PROMISING CAREER DEVELOPMENT

Curriculum Design

Aimed at fostering the next-generation of talents, the MF-FinTech Program presents a curriculum focusing on three domains: Finance, Statistics & Machine Learning, and Computer Skills & Applications.

* Curriculum is subject to change.

Finance

- Principles of Finance
- Fixed Income Securities
- Derivative Securities
- Quantitative Risk Management
- Quantitative Portfolio Management
- Financial Trading Simulation
- Empirical Finance

Statistics and Machine Learning

- An Introduction to Mathematical Statistics
- Machine Learning: Principles and Applications in Finance (I)
- Machine Learning: Principles and Applications in Finance (II)
- High Frequency Analysis for Algorithm Trading
- Bayesian Statistics
- An Introduction to Optimization

Computer Skills & Applications

- Object-oriented Programming Using C++
- Introduction to Databases and Applications
- Analytic Library Design and Implementation
- Financial Engineering
- Blockchain: Principles and Applications in Finance
- Cloud Computing Platforms

Candidates

We would like to recruit students with the following qualifications:

01 Outstanding academic record with an undergraduate degree from a top university

02 Formal training in mathematics, statistics, computer science, or engineering etc.

03 Strong drive to succeed and good communication skills

04 Fluent in English

Career Potential

Top financial institutions

Leading FinTech and big data companies

Quantitative hedge funds and asset management firms

Further studies for a PhD degree

Application Link

WeChat: SAIF-MF