MS in FINANCIAL ENGINEERING
ACADEMIC ADVISING FOR FALL 2018
AGENDA

1. Degree Overview
2. Degree Requirements
3. Program Overview
4. Fall FE Electives
5. Concentrations
6. Faculty Advisors
MSFE DEGREE OVERVIEW

• Master of Science in Financial Engineering
• Awarded by The Fu Foundation School of Engineering and Applied Science, Columbia University
• Expected Completion:
  – May, August or December 2019
• Expected Degree Conferral:
  – May 2019, October 2019 or February 2020
DEGREE REQUIREMENTS

1. 36 credits
2. Core, semi-core and electives
3. ENGI E4000-011 is required in order to receive IEOR Career Management services
4. No Pass/Fail courses
5. Attendance and Learning Journals for the FE Seminar Series (Fall 2018 & Spring 2020)
6. All courses must be completed at Columbia
7. Remain in good standing
8. Academic integrity
MSFE PROGRAM

For Fall 2017 semester, register for the following:

1. IEOR E4721 Mathematics for Financial Engineering Bootcamp
2. IEOR E4724 Python for Financial Engineering Bootcamp
3. ENGI E4000-011 Professional Development
4. IEOR E4007 Optimization Models
5. IEOR E4701 Stochastic Models
6. IEOR E4706 Foundations of Financial Engineering
7. FE Elective (select 1 or 2 courses)
DESCRIPTION OF COURSES

The Department offers a variety of courses in theory and professional applications.

Topics range from financial engineering, health operations management, business analytics, decision risk analysis and many more.

Learn more about our course offerings below.

Downloadable PDF of IEOR Fall Course Schedule
FALL 2018 FE ELECTIVES

Select from:

- IEOR E4403 Quantitative Corporate Finance
- IEOR E4500 Application Programming for FE
- IEOR E4525 Machine Learning for Financial Engineering & Operations
- IEOR E4720 Deep Learning
- IEOR E4722 Stochastic Control & Financial Applications
- IEOR E4726 Applied Financial Risk Management (3 points)
- IEOR E4727 Programming for Financial Engineering
- IEOR E4731 Credit Risk & Credit Derivatives
- IEOR E4735 Structured Hybrid Products
- DROM B8116-060 Risk Management
- IEOR E4732 Computational Methods in Derivatives Pricing (Instructor’s permission only; 2nd year elective)

*Courses outside of this list must be reviewed and approved by info@ieor.columbia.edu
CONCENTRATIONS

The MSFE Program offers (5) concentrations:

- Finance and Economics
- Derivatives
- Asset Management
- Computing and Programming
- Computational Finance and Trading Systems

For requirements, see:
https://ieor.columbia.edu/masters/financial-engineering/concentrations
Faculty advisor will be assigned beginning of September. For early registration inquiries, please email the IEOR Academic Affairs Team.
YOUR ACTION ITEMS

1. Activate your UNI
2. Login to SSOL [https://ssol.columbia.edu/](https://ssol.columbia.edu/)
3. Register for your courses (core & electives)
4. Review your tuition e-Bill
THE IEOR OFFICE

SUITE 315 MUDD

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