

Bocconi

MASTER OF QUANTITATIVE FINANCE AND RISK MANAGEMENT (18TH EDITION - 2021/22)



Università
Bocconi

GRADUATE SCHOOL

Our goals in the education of Mafinrisk students

- To create strong professional figures in the field of risk management and quantitative finance, capables of dealing with an exhaustive spectrum of financial applications.
- To support students in developing a combination of quantitative, operational and institutional competences.
- To make our graduates independent in the use and operation of the skills developed during the program and in their ability to update knowledge and techniques after the end of the program.



The organization of the Master

- Full time program
- Official language: English
- Attendance is mandatory
- Academic year: from September 2021 to September 2022
- Courses schedule: three terms



Master schedule: first term

September – December 2021

- **Objective:** to smooth out differences in students' academic backgrounds
- **Precourses:** Financial Markets and Institutions, Statistics, The R Language
- **Fundamentals (7):** Accounting and Financial Statement Analysis, Derivatives, Econometrics, Fixed Income, Investments, Mathematical Models for Finance, Probability and Stochastic Calculus



Master schedule: second term

January – March 2022

- **Objective:** to develop competences in more specific fields of study
- **Core courses (5):**
 - Credit Risk: Management and Measurement
 - Market Risk: Management and Measurement
 - Numerical Methods
 - Theory of Valuation
 - Topics in Financial Econometrics with «R»



Master schedule: third term

April - mid June 2022

- **Objective:** to further enhance knowledge and experience in specific areas of interest. Each course is dedicated to specific aspects of applied finance.
- **Electives:** 6 to be chosen out of 13
- A **final project** or an internship report (mid June - September 2022)



Master schedule: third term

1. Accounting, Risk Evaluation and Financial Analysis for Banks
2. Derivatives Credit Risk: Management and Measurement
3. Exotic Derivatives
4. Machine Learning in Finance: an Overview
5. Market and Counterparty Risk: Management and Measurement
6. Market Microstructure
7. Operational and Reputational Risk: Management and Measurement
8. Portfolio Performance Evaluation
9. Selected Topics in the Trading and Modelling of Volatility and Other Risks
10. Term Structure Modelling
11. The Practice of FX Markets
12. Topics in Quantitative Finance
13. Topics in Structuring



The selection process (I): our ideal candidate

We look for:

- Talented and motivated individuals, wishing to pursue a career in the field of applied finance and ready to dedicate 12 months of a challenging and intense study to the achievement of this goal;
- Candidates with:
 - a) an Economics degree with good quantitative skills, or a scientific degree (Physics, Mathematics, Engineering, Statistics, Computer Science)
 - b) a strong interest in financial and quantitative analysis
 - c) no working experience or a limited working experience



The selection process (II): entry requirements

- have a *three-year degree* (i.e. 'Laurea Triennale', Bachelor of Arts, Bachelor of Science) or higher education (i.e. 'Laurea Magistrale', Master of Science, 4-year or 5-year Degree) in economics (Economics, Finance and Banking, Business or Management...) or non economics quantitative subjects (Mathematics, Physics, Statistics, Engineering...), received from an Italian or a non-Italian university
- submit your GMAT (Graduate Management Admissions Test) / GRE (Graduate Record Examinations) score or, alternatively, take the Bocconi Test



The selection process (III)

- To select the class, a relative ranking will be built, taking into account that the target class dimension is between 30 and 40 students.
- Given the heterogeneous backgrounds of the applicants, the tests «GMAT», «GRE» and «Bocconi» play a relevant role in the selection process



Class Profile

FIELDS OF STUDY

Business or Management, Economics, Finance and Banking, Engineering, Mathematics, Physics, Statistics, Computer Science

AVERAGE AGE 25

ITALIAN 45%

NON-ITALIAN 55%

GMAT SCORE 650-770

GRE SCORE 158-170



Class profile

33 COUNTRIES REPRESENTED



Our faculty

- Bocconi University academics, belonging to Department of Finance and Department of Decision Sciences
- Academics who are in the Faculty of other Universities
- Visiting professors and Finance Professionals



Job market and placement

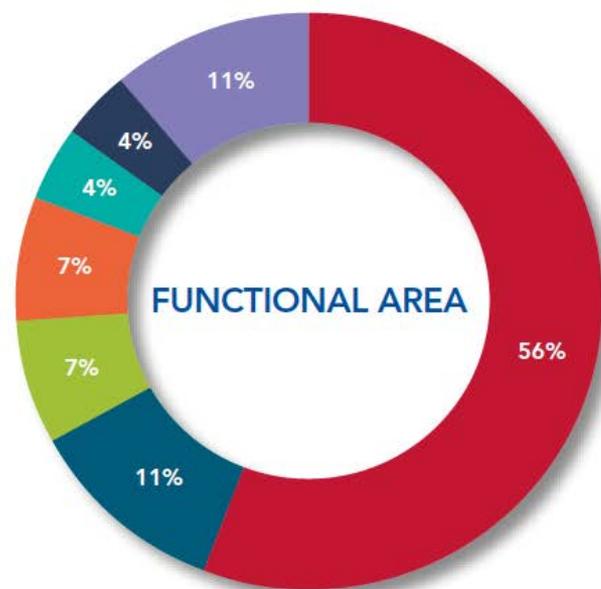
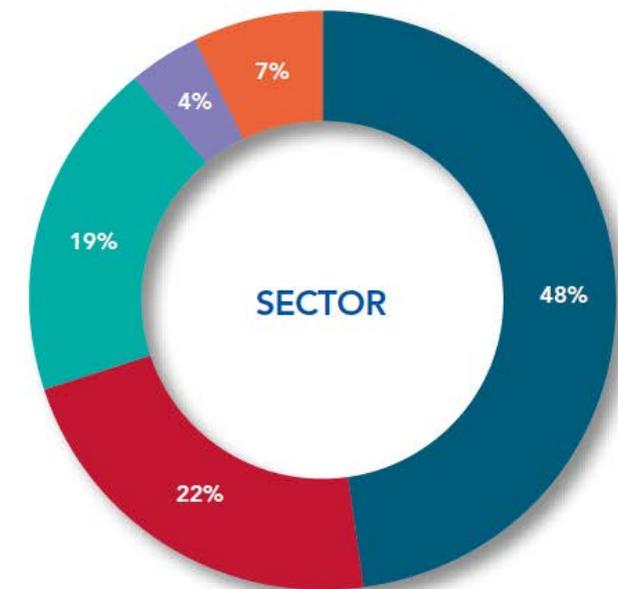
- Both Bocconi University and the Mafinrisk program have strong ties to financial institutions operating in the fields of banking, insurance and asset management.
- The Bocconi Career Service provides company presentations, career and recruiting events as well as specific initiatives for Mafinrisk students (e.g. mock interviews)
- JobGate is Bocconi's Online Platform with internship and placement opportunities in Italy and abroad, updated daily by employers.
- Company presentations by major financial institutions will be specifically organized for the Mafinrisk class.



Placement statistics

*2018 graduates, one year after graduation

PLACEMENT STATISTICS*



* 2018 graduates, one year after graduation
 **Financial Advisory, Central Bank
 ***Project Management, IT Advisory, Strategy



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Fees and grants

- The Master's tuition fee is euro 14,500
- Scholarships partially covering tuition and fees may be offered by corporate partners



When to apply / Deadlines

REGULAR APPLICATIONS

by **MAY 31st**

(submissions from April 2nd)

BOCCONI TEST will take place on

JUNE 11th

Interviews with candidates, if necessary, will follow

Successful applicants will be notified by early July 2021



My Application / Application process

1. **A copy of your University official transcript(s)** (in Italian or in English). Transcripts should include a comprehensive record of completed courses and grades.
2. **You are required to submit one of these tests: GMAT / GRE official score report.** Please note: we cannot accept an application without a score report (it may take up to 10 days to receive it). Alternatively, you can sit for **Bocconi Test**.
3. **CV** (in English), (one-page preferably).
4. **Personal statement** (in English). Please note: max length is one page/one page and a half.
5. **One passport-sized photo.**
6. **A copy of your passport** or 'carta di identità'.
7. **A copy of your application fee payment receipt.**

Additional documents:

- Reference letter(s)
- English language certificate (IELTS, TOEFL, Cambridge FCE, CPE, CAE)



Bocconi Test / Online (I)

- Bocconi Test will be **online**.
- To register for the test, you need to **select the Bocconi Test box** during the application process on My Application.
- It will consist of **70 questions** (completely in **English**) to be answered in **70 minutes**.
- It is divided in **4 subject areas**: Reading and comprehension, Logic, Mathematics, Numerical reasoning.
- You must use a PC or MAC (no tablet/smartphones). You will need a good connection to the internet, a webcam and a microphone.
- Online Bocconi admissions tests are held through a specific web testing platform, implemented with **the Respondus® proctoring system**.
- Access to the web testing platform requires a username and password. These will be provided to students via email in the days just before the test with all the instructions and the steps required to install the proctoring system.



Bocconi Test / Online (II)

GET READY FOR THE TEST

Info can be found at the link:

https://www.unibocconi.eu/wps/wcm/connect/bocconi/sitopubblico_en/navigation+tree/home/programs/bocconi+test+online+2021-22+ay

Selection

INFORMATION AND INSTRUCTIONS ON THE BOCCONI TEST ONLINE

| | |
|--|----------|
| Technical requirements and devices | + |
| How the Test Will Be Conducted | + |
| Get ready for the test | + |
| Login information | + |
| Solutions to most common technical issues | + |
| Help Desk and contacts | + |



For more information

Visit www.unibocconi.eu/mafinrisk

Read our online [brochure](#)

Watch our [alumni video](#)

Contact us at mafinrisk@unibocconi.it



THANKS



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