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UNIVERSITÉ DE  
NEUCHÂTEL

FACULTY OF ECONOMICS  
AND BUSINESS

## Master of Science in Finance (MScF)

The Master in Finance (MScF) degree provides you excellent career opportunities through studying in small classes in the heart of Switzerland, acquiring profound practical knowledge of modern problem-solving techniques in finance, and by preparing for the CFA exams.

### Profound. Practical. Personal.

**Profound:** Our programme is profound and offers you excellent training in the tools sought by financial institutions, corporations and government agencies. The MScF is partner of the CFA Institute University Affiliation Program. This means that the programme covers a significant portion of the CFA Program Candidate Body of Knowledge™ and ensures that you acquire up-to-date knowledge in finance, which will also prepare you for the CFA examinations.



**Practical:** The programme focuses on practical applications where you learn how to utilise modern methods in finance. You will solve real-life problems during hands-on exercises, computer-lab sessions, internships, or field projects. Meetups with practitioners or the CFA research challenge provide you exposure to the profession.

**Personal:** Small classes allow for interactive teaching and teamwork in a multicultural environment. Our campus is located in the heart of Switzerland right next to the beautiful lake of Neuchâtel - an ideal place to form the basis for your career in finance.

### MSc in Finance (90 or 120 ECTS)

Our Master in Finance offers a core programme where you earn 90 ECTS in 3 semesters (18 months). Students interested in a research career have the option to complete a research thesis to earn additional 30 ECTS during an additional semester and bring the total amount of ECTS to the number of 120 (24 months).

### MSc in Finance with Data Science Major (120 ECTS)

Do you plan to work in the intersection between Finance and Data Science? You can complement the Master in Finance core programme (90 ECTS) by earning additional 30 ECTS in Data Science courses (e.g., Machine Learning, Data Management, Programming, Computational Thinking, Business Analytics, Data Science for Business) during an additional semester and bring the total amount of ECTS to the number of 120 (24 months).

### Degree awarded

- Master of Science in Finance (90 ECTS)
- Master of Science in Finance (120 ECTS)
- Master of Science in Finance with Data Science Major (120 ECTS)

### Credits

90 ECTS, 3 semesters, 18 months, or  
120 ECTS, 4 semesters, 24 months

### Teaching language

English

### Admission conditions

A Bachelor degree is required. Students with a degree in business, economics, math or engineering from a Swiss university are directly admitted. Other applications are reviewed by the admissions committee. Students from Swiss universities of applied sciences are admitted to the 30 ECTS pre-programme.

### Application deadline

April 30 for the Autumn semester (mid-September)

### Registration

Bureau des immatriculations  
Av. du 1<sup>er</sup>-Mars 26  
CH-2000 Neuchâtel  
[www.unine.ch/immatriculation](http://www.unine.ch/immatriculation)

### Information

Institute of Financial Analysis  
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[www.unine.ch/mscf](http://www.unine.ch/mscf)





### Career opportunities

Students are trained for a broad range of financial positions: investment management, hedge funds, security analysis, corporate finance, venture capital and corporate restructuring, investment, commercial and retail banking, corporate planning, regulatory bodies, audit and consulting firms, investor relations, and finance within the public sector (central banks, governments and international organizations). Examples of firms where our graduates have started their careers: Credit Suisse, UBS, Aravis venture capital, Olympia Capital Holding, KPMG, Deloitte, Elsevier, Louis Dreyfus Commodities, OCBC Bank, PepsiCo, Swissquote, Towers Watson, etc.

### What our former students say...

Johan Barbezat, MScF 2014, Equity Derivatives Trader, Credit Suisse, Switzerland: *Without the Master, I wouldn't have the capacity to tackle and solve financial problems. The programme taught me to think, to anticipate, and to have an overall view. Now, I can say that this training is excellent! I can even assure that, in comparison to other students, we have a real competitive advantage. It is a "tough" master, which pays off in the end. If I hadn't done it, I wouldn't have been able to get a job as a trader in a bank like Credit Suisse.*

Julien Delvecchio, MScF 2010, Investment Manager, HSBC Private Bank, Switzerland: *The MSc. in Finance is a broad, complete and intensive master that I recommend for everyone wishing to start a career in the financial industry. In addition to the first-class quality of education which prepares [the student] to get the prestigious CFA charter, I appreciated to study practical assessments in group in a multicultural environment totally in line with the day-to-day business of every investment professional. A gateway to the job market allowing to boost my professional career...*

Maira Mazo, MScF 2012, Risk Management Analyst, Suramericana Insurance Company, Colombia: *The MSc. in Finance is a high demanding programme which opened my professional horizons. Learning to apply quantitative tools in the real financial environment has been a very valuable asset for my professional performance.*

### Who we are

With over ten specialists, the Institute of Financial Analysis is dedicated to teaching (Bachelor, Master's, PhD and Continuing Education) and research in financial analysis. Among the fields of interest are asset pricing and valuation, risk management, regulation of financial markets, corporate finance, and international accounting and finance.

### Master programme

#### Semester 1 Autumn (30 ECTS)

- Asset Pricing
- Fixed Income
- Econometrics
- Financial Accounting
- Economic Policy\*

#### Semester 2 Spring (30 ECTS)

- Corporate Finance
- Financial Analysis
- Valuation
- Derivatives
- Portfolio Management
- Programming
- International Monetary System\*
- Ethics\*

#### Semester 3 Autumn (30 ECTS)

- Equity Research Contest
- Research in Financial Analysis
- Corporate Social Responsibility and Governance\*
- Risk Management\*
- Portfolio Optimization\*
- Current Issues in Portfolio Management\*
- Alternative Investments\*
- Data Science for Business\*
- Data Management\*
- Field Project in Financial Analysis \*

#### Optional: Semester 4 Spring (30 ECTS)

Master thesis or additional courses in Data Science and electives

\* Elective courses. Other courses can be chosen in place of electives.

