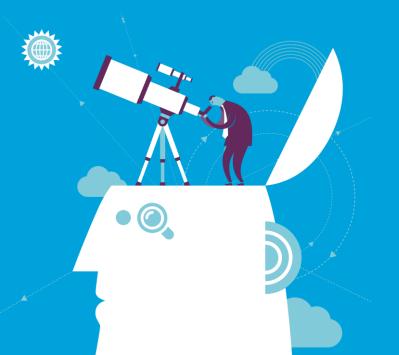
Welcome to School of Business and Economics

MSc Financial Economics A passport to the world of financial markets

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Maastricht University

What will you learn?

Quantitative focus on financial markets, financial instruments (types and price formation), financial institutions and their economic environment

Three specialisations:

- Asset Pricing
- Banking
- Financial Analysis





Programme structure

- A specialisation consists of
 - 3 obligatory courses (common to all specialisations)
 - 2 specialisation courses per specialisation (one "integration" course)
 - 1 elective
- No specialisation: 3 obligatory courses + 1 integration course + 2 electives



MSC Financial Economics - specialisation Asset pricing

Period	Asset pricing	
1	ECB and Monetary Policy	Quantitative Techniques for Financial Economics
2	Institutional Investors	Elective
3	Skills training: writing a master's thesis	
4	Fixed Income Management	Writing the Master's
5	Empirical Analysis of Financial Markets	Thesis
6	Completing the master's thesis	

NB. The details of this programme could change; before applying, please check <u>www.maastrichtuniversity.nl/sbe</u> for the latest information.



MSC Financial Economics - specialisation Banking

Period	Banking	
1	ECB and Monetary Policy	Quantitative Techniques for Financial Economics
2	Global Banking	Elective
3	Skills training: writing a master's thesis	
4	Fixed Income Management	Writing the Master's
5	Risk Management	Thesis
6	Completing the master's thesis	



MSC Financial Economics - specialisation Financial Analysis

Period	Financial Analysis		
1	ECB and Monetary Policy	Quantitative Techniques for Financial Economics	
2	Accounting for Financial Markets	Elective	
3	Skills training: writing a master's thesis		
4	Fixed Income Management	Writing the Master's	
5	Empirical Analysis of Financial Markets	Thesis	
6	Completing the master's thesis		



MSC Financial Economics - no specialisation

Period	No specialisation		
1	ECB and Monetary Policy	Quantitative Techniques for Financial Economics	
2	Global Banking*/Elective	Elective	
3	Skills training: writing a master's thesis		
4	Fixed Income Management	Writing the Master's	
5	Emp. Analysis of Financial Markets*/Elective	Thesis	
6	Completing the master's thesis		

* At least one of the two indicated courses



Quantitative Techniques for Financial Economics

- Pricing, construction of (derivative) securities and their use by market practitioners (hedging, speculation)
- Econometric techniques for modeling financial time series with empirical applications

Applying alos lemma

$$dY_{t} = \frac{df}{dt} dt + \frac{df}{dx} dX_{t} + \frac{d^{2}f}{dx^{2}} e^{2} X_{t}^{2} dt$$

$$= -f dt + 2e^{-t} X dX_{t} + e^{-t} e^{2} X_{t}^{2} dt$$

$$= -Y_{t} dt + 2e^{-t} X_{t}^{2} dX_{t} + e^{-t} e^{2} X_{t}^{2} dt$$

$$= -Y_{t} dt + 2e^{-t} X_{t}^{2} dX_{t} + e^{-t} e^{2} X_{t}^{2} dt$$

$$= -Y_{t} dt + 2Y_{t} [0 - 2S_{t} + t e dW_{t}] + e^{2} Y_{t} dt$$

$$\frac{dY_{t}}{Y_{t}} = [2x (0 - 2S_{t}) - 1 + e^{2}] dt + t$$



ECB and Monetary Policy



- Why does money exist in an economy?
- "Transmission" channels between monetary /real sphere of the economy
- How effective is monetary policy?
- Position, policies of the ECB (including a visit to the ECB)
- Monetary policy (ECB/FED) has been THE crucial factor in saving the financial system!



Fixed Income Management

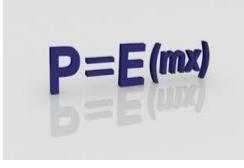
- Basic concepts of bond pricing
- Portfolio management (e.g. PIIGS debt in current sovereign debt crisis?)
- The role of asset-backed securities (cf. role in 2007 credit crunch)





Specialisation courses Asset Pricing

- Institutional investors
 - Pension funds, mutual funds, hedge funds
 Asset liability management, strategic asset allocation, shareholder activism and responsible investing
- Empirical Analysis of Financial Markets
 - Strengths and weaknesses of empirical asset pricing tests
 - Research projects: predictability of stock returns; profitability of various trading strategies based on (seeming) anomalies





Specialisation courses Banking

- Global Banking
 - Why do banks exist?
 - Systemic risk
 - Fintech and digitalisation
 - Shadow banking as a new threat for financial stability
- Risk Management
 - How to manage risk in financial institutions
 - Market, credit and operational risk
 - Changes in financial regulation after the financial crisis





Specialisation courses Financial Analysis

- Empirical Analysis of Financial Markets
- Accounting for Financial Markets





Master's Thesis

- Skills training: Develop a high quality research proposal for a master's thesis
- In-depth study of financial economics problem (academic relevance, practical relevance, relevance to you)
- Team up with staff member (supervisor) before or after skills training 'Writing a Master's Thesis'
- Cover 2 of 3 main orientations (monetary economics, finance, quantitative techniques)



Is Financial Economics right for you?

- Have a keen interest in financial markets and financial institutions
- Have a keen interest in the economic environment in which companies have to operate
- Show familiarity with quantitative techniques





Careers of our alumni

MSc – Financial Economics (no specialisation)





MSc graduates SBE Financial Economics period 2004-2017



Careers of our alumni (2)

MSc – Financial Economics Track Banking



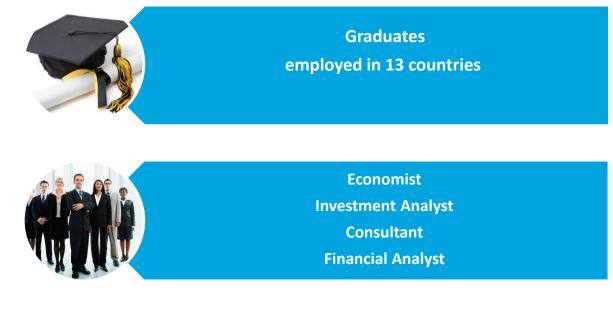


MSc graduates SBE Financial Economics Track Banking period 2004-2017



Careers of our alumni (3)

MSc – Financial Economics Track Financial Analysis



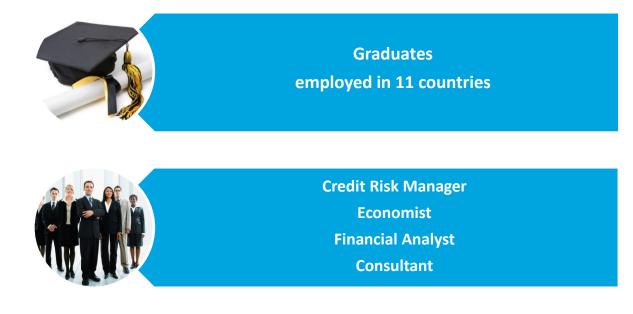


MSc graduates SBE Financial Economics Track Banking period 2004-2017



Careers of our alumni (4)

MSc – Financial Economics Track Asset Pricing





MSc graduates SBE Financial Economics Track Asset Pricing period 2004-2017



Further questions?

www.maastrichtuniversity.nl/sbe

Contact

Or visit us at the information market in the Mensa

