

# #50

Central European University  
Business Analytics Rankings 2019

**QS WORLD UNIVERSITY RANKINGS**  
#QSWUR  
Search: world universities rankings  
[www.TopUniversities.com](http://www.TopUniversities.com)

# TOP 100

Central European University  
Finance Rankings 2019

**QS WORLD UNIVERSITY RANKINGS**  
#QSWUR  
Search: world universities rankings  
[www.TopUniversities.com](http://www.TopUniversities.com)



## BUSINESS MS PROGRAMS

*Professional degrees guided by industry*



# | CENTRAL EUROPEAN UNIVERSITY

**50<sup>th</sup>**  
**IN THE**  
**WORLD**

QS Business Masters  
Rankings 2019  
**Business Analytics**

**89<sup>th</sup>**  
**IN THE**  
**WORLD**

QS Business Masters  
Rankings 2019  
**Finance**

**TOP**  
**200**

QS World University  
Rankings 2018  
**Economics &  
Econometrics**

**TOP**  
**200**

ARWU Shanghai  
Ranking 2018  
**Economics**

**117** COUNTRIES

**7:1** STUDENT/  
FACULTY RATIO

## A U.S. graduate school in the heart of Central Europe

- Founded 1991, campuses in Budapest, Vienna, New York
- Times World Universities 2017  
#2 most international | #39 among under-50 universities
- QS Business Masters Rankings 2019: Business Analytics  
#50, #1 CEE | Aston, HEC Montreal, Tilburg, UT Arlington
- QS Business Masters Rankings 2019: Finance  
#89, #3 CEE | Exeter, Frankfurt, Northeastern, Purdue
- ARWU ShanghaiRanking 2018: Economics  
#151-200, #2 CEE | Emory, Humboldt, NTU, Queen Mary
- QS World Universities 2018: Economics and Econometrics  
#151-200, #2 CEE | Dauphine, EUI, Illinois, Renmin

# | CEU COMMUNITY

Join one of the most diverse and far-reaching university networks in the world

- 1,435 students from 118 countries
- 185 faculty from 33 countries
- 15,576 alumni in 146 countries, alumni chapters in 71 countries

## Campuses in Budapest, Vienna and New York

- Budapest campus in UNESCO World Heritage city center, Top 4 shortlist for RIBA International Prize 2018 for world's best new building
- Vienna campus in city center
- New York campus with historic Bard College





# | STUDY AND WORK IN BUDAPEST AND VIENNA

## Two of Europe's most buzzing financial services and technology hubs

- Budapest – Bank of China | BCG | BlackRock | BT | Citi | EPAM | GE | IBM | McKinsey | Morgan Stanley | MSCI | Nokia | Roche | T-Systems | TCS | UN
- Vienna – DB Schenker | Deloitte | EATON | Franklin Templeton | Google | JP Morgan | LVMH | Raiffeisen Bank | Swarovski | Unicredit | UN

## Two of Europe's best, most beautiful and most expat-friendly cities

- European Union and Schengen Area
- CN Traveler: 25 Best Cities in the World, 10 Best Cities in Europe
- InterNations Expat City Ranking 2017: Budapest #13, Vienna #22



# | DEPARTMENT OF ECONOMICS AND BUSINESS

## PROFESSIONAL PROGRAMS

- 1-year master's degrees
- Study full-time as a graduate or career changer
- Study part-time and keep your career

MS Business Analytics

MS Finance

MS Technology Management and Innovation

Fintech Management Parallel Studies

CEU InnovationsLab

MA Global Economic Relations

## ACADEMIC DEGREE PROGRAMS

- Study full-time
- 2-year master's degrees
- PhD degrees

MA Economics

MA Economic Policy in Global Markets

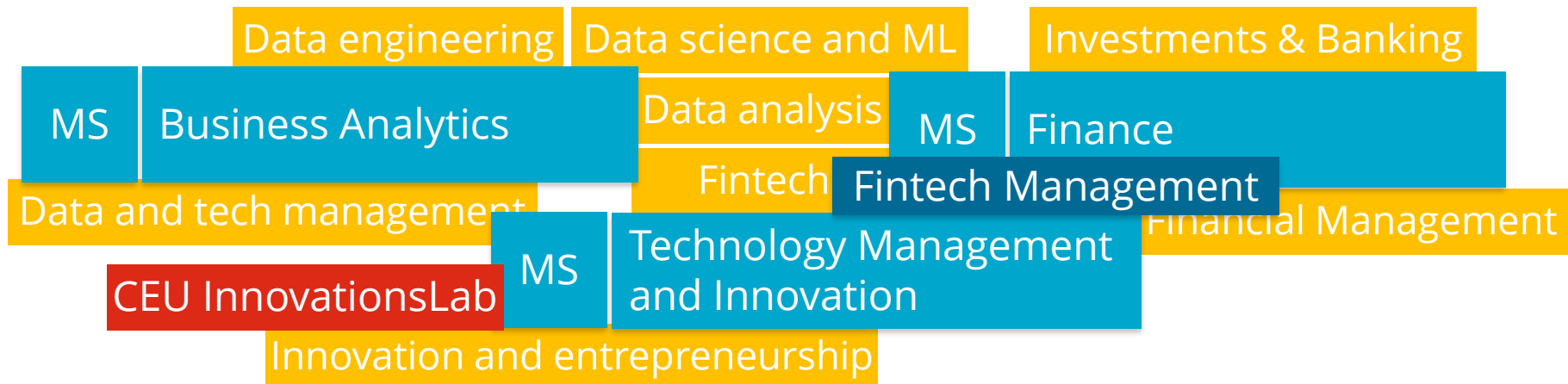
PhD Economics

PhD Business Administration

# BUSINESS MASTER OF SCIENCE PROGRAMS

Business education at the cutting edge, guided by industry

- 1 year full-time or part-time
- Land a job or internship anytime, or keep your career
- Go for a week or an entire semester to partner schools on four continents
- Develop your own startup in the CEU InnovationsLab incubator

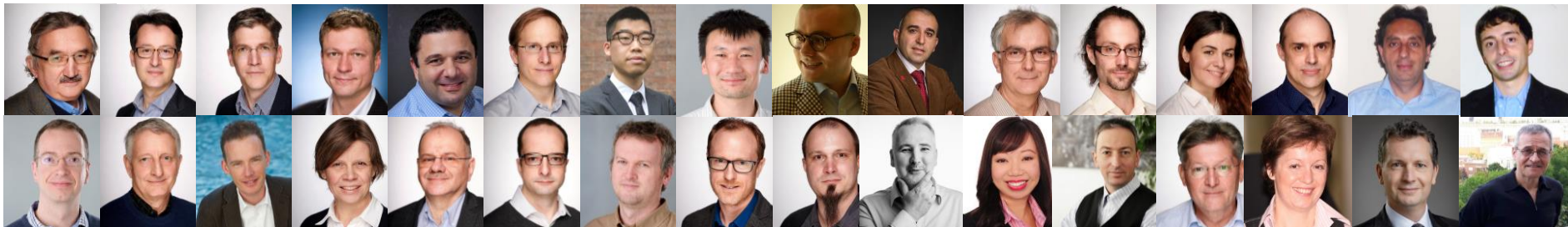


# | TEACHING FACULTY

Learn from leading research faculty and industry veterans

Worked at MIT | UC Berkeley | Princeton | UT Austin | Boston | Fed NY  
Cambridge | Oxford | Mannheim | ESSEC | EUI | ECB | WU

PhDs from Harvard | MIT | Yale | Princeton | UM Ann Arbor | UC San Diego  
Penn State | Toronto | INSEAD | ECARES | EUI | TU Wien | Pisa



# | MS IN BUSINESS ANALYTICS

- U.S. Master of Science degree
- 36 credits (72 ECTS credits)
- 1 year full-time or part-time, work up to 3 days per week
- A unique mix of analytics, computer science and business
  - data analysis
  - big data and cloud computing
  - machine learning
  - data engineering
  - data management
- Capstone consulting project



Students	25
Nationalities	8
Age	29, 22-48
Experience	5, 0-23



# | CURRICULUM

## DATA ANALYSIS

Exploration  
Finding Patterns with Regressions  
Prediction & Intro to Machine Learning  
R Skills

## DATA SCIENCE

Business Intel & Data Visualization  
Machine Learning Concepts  
Unstructured Text Analysis

## DATA ENGINEERING

Different Shapes of Data  
Big Data & Cloud Computing

## DATA MANAGEMENT

Data Security & GDPR  
Intro to Agile Project Management

Experiments & Causal Analysis  
Machine Learning Tools  
Infrastructure Applications  
Data Management & Analysis w Python  
Mastering Deep Learning in R  
Mastering the Process of Data Science

Security & Data Protection  
Technology Innovation  
Digital Marketing  
Digital Strategy  
Digital Transformation  
Developing Digital Organizations  
IoT – Industry 4.0  
Ethics of Big Data

Finance Technologies  
Banking IT & Fintech: Bank to the Future  
Financial Trading Design & Technology



“CEU provides carefully selected materials, prepared instructors and inspiring colleagues to acquire the data driven mindset of the future.”  
*László Salló, EPAM*

# | MS IN FINANCE

- U.S. Master of Science degree
- 36 credits (72 ECTS credits)
- 1 year full-time or part-time, work up to 4 days per week
- A professional finance program designed with industry
  - investments and banking
  - corporate finance
  - private equity and finance for startups
  - data analytics and technology
- Fintech Management Parallel Studies
- Capstone consulting project



Students	33
Nationalities	16
Age	28, 22-46
Experience	5, 0-20

# | ADVISORY COMMITTEE

## Working group of senior business executives guiding the MS in Finance

- advise on the curriculum to ensure commercially relevant training
- contribute courses, case studies, simulations and site visits
- help with internships and careers

János Babos Managing Partner Process Solutions	Björn Bergabo General Manager GE	Tommy Erdei Managing Director Jefferies (UK)	Norbert Fogarasi Managing Director Morgan Stanley
Elemér Gidófalvy Senior Advisor WOOD & Co	Orsolya Hegedűs Partner M&A Adv. Deloitte (AT)	Ákos Janza Head of Office MSCI	Levente Jánoskúti Managing Partner McKinsey
George Juscsák Executive Director JP Morgan (AT)	Zsolt Katona CEO MFB Invest	Zoltán Major Chairman OTP (RU)	Melanie Seymour Head of Office Blackrock
Szabolcs Szalay Associate Director BCG	György Ungár Managing Director Citi	Bence Várady-Szabó Managing Director EuronetWorldwide	Balázs Vinnai President W.UP

# | CURRICULUM

## CORE COURSES

Financial Reporting & Control  
Financial Management  
Economic Foundations  
Investments I & II  
Regulatory & Policy Environment

## INVESTMENTS & BANKING

Banking & Financial Institutions  
Fixed Income Analysis  
Derivatives  
Private Equity & Venture Capital  
Financial Trading Design & Technology  
Behavioral Finance  
Financial Technologies  
Banking IT & Fintech: Bank to the Future

## CORPORATE FINANCIAL MANAGEMENT

Corporate Finance & Risk Management  
Company Valuation  
Corporate Restructuring  
Entrepreneurial Finance  
Strategic Managerial Accounting  
Corporate Governance  
Boardroom Global Challenge

Data Analysis I & II in R, VBA  
Python for Finance, SQL for Finance  
Financial Econometrics  
Stochastic Analysis I & II  
Prediction & Machine Learning  
Business Intel & Data Visualization  
Different Shapes of Data  
Algorithms and Data Structures

Capital Markets & Securities Regulation  
Comparative Bankruptcy Law  
International Investment Law  
Legal Aspects of Corporate Finance

**Fintech Management Parallel Studies**  
*MS in Technology Management & Innovation*



# | MS IN TECHNOLOGY MANAGEMENT AND INNOVATION

- U.S. Master of Science degree
- 36 credits (72 ECTS credits)
- 1 year part-time, to keep your career
- Combine your technical expertise with business, finance and leadership skills to become a tech leader or entrepreneur
  - digital transformation and e-leadership
  - technology evolution
  - innovation and entrepreneurship
- Fintech Management Parallel Studies
- Capstone consulting project



Students	15
Nationalities	8
Age	33, 23-43
Experience	8, 0-20

# | CURRICULUM

## UMBRELLA COURSES

Boardroom Global Challenge  
Best Practices in IT Service Management  
Financial Management

## E-LEADERSHIP

Digital Strategy  
e-Leadership  
Consultative Selling & Negotiations  
Fundamentals of Project Management  
Organizational Behavior  
Ethics of Big Data

## INNOVATION

Technology Innovation  
(Cognitive & Smart Systems)  
IoT - Industry 4.0  
Smart Energy, Big Data & Innovation  
Technology-based Entrepreneurship

## TRANSFORMATION

Digital Transformation  
Digital Marketing  
Agile Project Management  
Enterprise Architecture & Modelling  
Developing Digital Organizations  
Security & Data Protection  
Data Security & GDPR  
Regulating Digital Economy

## FINTECH

Banking IT & Fintech: Bank to the Future  
Finance Technologies  
Regulatory & Policy Environment  
Financial Trading Design & Technology  
Python for Finance, SQL for Finance  
Financial Reporting & Control  
Economic Foundations



"The courses strongly encourage collaborative work among classmates from different firms and organizations. This leads to knowledge sharing as well as excellent networking opportunities."

*Andrea Barabás, Citi*

# FINTECH MANAGEMENT PARALLEL STUDIES

- Two Master of Science degrees
  - MS in Finance
  - MS in Technology Management and Innovation
- 58-72 credits (116-144 ECTS credits)
  - transfer up to 14 credits-in-common
  - corresponding tuition reduction
- 1 year full-time or part-time
  - or earn first degree now, return for second degree within four years
- Pioneering interdisciplinary learning
  - finance
  - data analytics and technology
  - technology management, innovation and entrepreneurship
- Develop your fintech startup in the CEU InnovationsLab

MS Finance

MS Technology Management and Innovation

CEU InnovationsLab



SCAFANDER

**BROKERCHOOSESER**



Family Finances



# | CEU INNOVATIONSLAB

## CEU's flagship startup incubator for students and alumni

- Startups have raised EUR4m since launch in March 2016
- Best Accelerator and Incubator Program in Hungary at CES 2017
- Forbes Hungary, July 2017
  - BrokerChooser, Family Finances, Talk-A-Bot named among Top 20 most promising fintech startups in Hungary
- Ministry for National Economy, February 2017
  - AbsoRice named Innovative Startup of the Month





# | INTERNATIONAL EXCHANGES

Study abroad to internationalize your network, broaden your horizons

- free of tuition for as little as one week, up to an additional semester
- specialize further in your field, or broaden your skills in other areas
- broaden your international network, or move your career to another country

Partner schools in the Americas, Asia and Europe

- US: NYU\*, Emory, Brandeis | CA: York\* | MX: IPADE | BR: EBAPE
- CN: Shanghai Jiao Tong | JP: Hitotsubashi | SG: ESSEC
- FR: ESSEC, EMLYON | DE: EBS, KLU



EMORY  
GOIZUETA  
BUSINESS  
SCHOOL



Schulich  
School of Business  
York University



FGV EBAPE



EBS



# | CEU CAREERS

More than 90% of full-time MS students land a job straight after graduation

- Career workshops, CV and LinkedIn clinic, presentation and interview skills
- Corporate showcases by global employers seeking international talent
  - Amazon, BlackRock, Citi, EPAM, ExxonMobil, GE, Google, McKinsey, Microsoft, Morgan Stanley, MSCI, Schneider, TCS
- CareerNext integrated job platform and Career Days & Fair
  - bringing together students and alumni with partner employers



# | GENERAL ENTRY REQUIREMENTS

## Requirements

- Bachelor's (or higher) degree with good GPA
- Competitive TOEFL *or* equivalent English proficiency score
- Competitive CEU online math test *or* GMAT *or* GRE
- Two letters of recommendation

## Exemptions

- TOEFL: native speaker *or* prior degree in English
- Math test: CFA Levels I & II or ACCA Levels 1-8 on MS in Finance



# | SCHOLARSHIP AND INTERNSHIP PROGRAMS

Are you a full-time MS in Business Analytics or MS in Finance candidate passionate about financial services, data analysis and technology?



Morgan Stanley

## Future of Big Data Scholarship & Training Program

- awarded by London boutique investment firm
- covers full tuition, mentoring, research assistantship
- possible internship in donor's Mayfair office

## Morgan Stanley Internship Program

- in Finance, Risk and Quantitative Finance teams
- selected candidates awarded partial tuition waivers
- internships can lead to full-time job offers

## Women in Technology Scholarship Program

- for women who show great potential or leadership in their professional and personal endeavors
- covers full tuition, mentoring by industry partners



WOMEN IN  
TECHNOLOGY





Julius Horvath  
Professor  
Head of Department



Gabor Bekes  
Assistant Professor  
MS in Business Analytics



Peter Szilagyi  
Associate Professor  
MS in Finance



Achilles Georgiu  
Visiting Lecturer  
MS in Technology Management



Agnes Schram  
Student Recruitment Manager



Anna Kaposvari  
Career Services Manager



Nena Grceva  
Head of Alumni Relations



Andrea Kozma  
CEU InnovationsLab Director