



Academic year 2024-2025

Master in Financial Technology and Computing (MFT)

Latest update: 24.04.2025 08:53

Advanced Informatics

Study plan

1st semester (SA 2024-2025)

Core (30 ECTS)	Lecturers	Tags	ECTS
Distributed Systems	Chuprikov		6
Introduction to Fintech	Gruber		6
Machine Learning (MSc)	Wand		6
Data Analytics for Finance I & II	Gruber		6
Investments	Franzoni	SFI accreditation (min 45 ECTS)	6
Fintech Innovations in Financial Services	Nam	Founders Option	3
Writing business plans	Martignoni	Founders Option	3

2nd semester (SP 2025)

Core (18 ECTS)	Lecturers	Tags	ECTS
Information Security	Langheinrich		6
Financial Intermediation	Plazzi	SFI accreditation (min 45 ECTS)	6
Risk Management	Plazzi	SFI accreditation (min 45 ECTS)	6

Elective (12 ECTS)	Lecturers	Tags	ECTS
Blockchains & Digital Currencies	Morini		3
Business Analytics	Pieper		3
Critical Consumer Behavior	Gibbert		6
ESG I: Corporate Governance	Nowak	SFI accreditation (min 45 ECTS)	3
Founders I	Gruber	Founders Option	6
Human Resources Management	Solari		3
Natural Language Processing for Business and Finance	van der Plas		3

Natural Language Processing for Business and Finance Project	van der Plas		3
Robotics	Giusti		6
Text Analysis and Spatial Data for Economists	Parchet, D'Ambros		6
Trading and Market Microstructure	Kaul		3

3rd semester (SA 2025-2026)

Core (18 ECTS)	Lecturers	Tags	ECTS
Distributed Algorithms	Pedone		6
Financial Econometrics	Mancini		6
Systems Security	Regazzoni		6
Founders II	Gruber	Founders Option	12

Elective (12 ECTS)	Lecturers	Tags	ECTS
Advanced Topics in Finance	Dieler, Füss		3
Algorithms & Complexity	Papadopoulou		6
Alternative Investments	Mueller		3
Finance and Sustainability	Frésard	SFI accreditation (min 45 ECTS)	3
Financial Stability	Mele	SFI accreditation (min 45 ECTS)	6
Fintech Innovations in Financial Services	Nam		3
Interest Rate and Credit Risk Models	Mele	SFI accreditation (min 45 ECTS)	6
Innovation	Munshi		3
Mobile and Wearable Computing	Santini		6
Project Management	Gonçalves		3
Qualitative Marketing Research and Data Analysis	Pellandini-Simányi		3
Software Performance	Hauswirth		6
User Experience Design	Landoni, Langheinrich		6

4th semester (SP 2026)

Core (0 ECTS)	Lecturers	Tags	ECTS
Founders III	Gruber	Founders Option	12

Elective (39 ECTS)	Lecturers	Tags	ECTS
MFT Field Project	Langheinrich, Pedone		12
Critical Consumer Behavior	Gibbert		6
Human Resources Management	Solari		3
Robotics	Giusti		6

Text Analysis and Spatial Data for Economists	Parchet, D'Ambros	6
Natural Language Processing for Business and Finance	van der Plas	3
Natural Language Processing for Business and Finance Project	van der Plas	3
<hr/>		
Thesis		30

Core Informatics

Study plan

1st semester (SA 2024-2025)

Core (30 ECTS)	Lecturers	Tags	ECTS
Fundamentals of Informatics	Sharygina		6
Introduction to Fintech	Gruber		6
Introduction to Programming (Python)	Binder		6
Data Analytics for Finance I & II	Gruber		6
Investments	Franzoni	SFI accreditation (min 45 ECTS)	6
Fintech Innovations in Financial Services	Nam	Founders Option	3
Writing business plans	Martignoni	Founders Option	3

2nd semester (SP 2025)

Core (24 ECTS)	Lecturers	Tags	ECTS
Data Management	Eugster		6
Information Security	Langheinrich		6
Financial Intermediation	Plazzi	SFI accreditation (min 45 ECTS)	6
Algorithms & Data Structures	Carzaniga		6
Theory of Computation	Sharygina		6

Elective (6 ECTS)	Lecturers	Tags	ECTS
Blockchains & Digital Currencies	Morini		3
Business Analytics	Pieper		3
Critical Consumer Behavior	Gibbert		6
Discrete Structures	Wolf		6
ESG I: Corporate Governance	Nowak	SFI accreditation (min 45 ECTS)	3
Founders I	Gruber	Founders Option	6
Human Resources Management	Solari		3
Natural Language Processing for Business and Finance	van der Plas		3
Natural Language Processing for Business and Finance Project	van der Plas		3
Risk Management	Plazzi	SFI accreditation (min 45 ECTS)	6
Robotics	Giusti		6
Text Analysis and Spatial Data for Economists	Parchet, D'Ambros		6
Trading and Market Microstructure	Kaul		3

3rd semester (SA 2025-2026)			
Core (18 ECTS)	Lecturers	Tags	ECTS
Distributed Systems	Eugster		6
Financial Econometrics	Mancini		6
Financial Modeling	Franzoni	SFI accreditation (min 45 ECTS)	6
Founders II	Gruber	Founders Option	12
Elective (12 ECTS)	Lecturers	Tags	ECTS
Advanced Topics in Finance	Dieler, Füss		3
Algorithms & Complexity	Papadopoulou		6
Alternative Investments	Mueller		3
Finance and Sustainability	Frésard	SFI accreditation (min 45 ECTS)	3
Financial Stability	Mele	SFI accreditation (min 45 ECTS)	6
Interest Rate and Credit Risk Models	Mele	SFI accreditation (min 45 ECTS)	6
Innovation	Munshi		3
Fintech Innovations in Financial Services	Nam		3
Mobile and Wearable Computing	Santini		6
Project Management	Gonçalves		3
Qualitative Marketing Research and Data Analysis	Pellandini-Simányi		3
Software Performance	Hauswirth		6
User Experience Design	Landoni, Langheinrich		6
MFT Master's Thesis Preparation			12
4th semester (SP 2026)			
Core (0 ECTS)	Lecturers	Tags	ECTS
Founders III	Gruber	Founders Option	12
Elective (45 ECTS)	Lecturers	Tags	ECTS
MFT Field Project	Langheinrich, Pedone		12
Critical Consumer Behavior	Gibbert		6
Human Resources Management	Solari		3
Natural Language Processing for Business and Finance	van der Plas		3
Natural Language Processing for Business and Finance Project	van der Plas		3
Robotics	Giusti		6
Software Quality & Testing	Pezzè		6
Text Analysis and Spatial Data for	Parchet, D'Ambros		6

Economists

Thesis

30
