



Academic year 2026-2027

Master in Financial Technology and Computing (MFT)

The study plan and course descriptions provide an overview of the programme's structure and content, and may be subject to changes. In case a study programme offers multiple specialisations or streams, these are presented consecutively within the same document.

Advanced Informatics

Study Plan

1st semester (SA 2026-2027)

Core courses (30 ECTS)	Lecturers	Tags	ECTS
<u>Distributed Systems</u>	Eugster		6
<u>Introduction to Fintech</u>	Gruber, Montemurro		6
<u>Machine Learning (MSc)</u>	Wand		6
<u>Data Analytics for Finance I & II</u>	Gruber		6
<u>Investments</u>	Franzoni	SFI accreditation (min 45 ECTS)	6
Elective courses (0 ECTS)	Lecturers	Tags	ECTS
<u>Fintech Innovations in Financial Services</u>	Nam	Founders Option	3
<u>Business Plans and Business Models</u>	Martignoni	Founders Option	3

2nd semester (SP 2027)

Core courses (12 ECTS)	Lecturers	Tags	ECTS
<u>Software Quality & Testing</u>	Pezzè		6
<u>Financial Intermediation</u>	Berardi	SFI accreditation (min 45 ECTS)	6
<u>Founders I</u>	Gruber	Founders Option	6
Elective courses (18 ECTS)	Lecturers	Tags	ECTS
<u>Blockchains & Digital Currencies</u>	Morini		3
<u>Business Analytics</u>	Pieper		3
<u>Critical Consumer Behavior</u>	Gibbert		6
<u>ESG I: Corporate Governance</u>	Seistrajкова	SFI accreditation (min 45 ECTS)	3
<u>Human Resources Management</u>	Solari		3
<u>Natural Language Processing for Business and Finance</u>	van der Plas		3
<u>Natural Language Processing for Business and Finance Project</u>	van der Plas		3
<u>Risk Management</u>	Plazzi	SFI accreditation (min 45 ECTS)	6
<u>Robotics</u>	Giusti		6
<u>Text Analysis and Spatial Data for</u>	Parchet, D'Ambros		6

<u>Economists</u>			
<u>Trading and Market Microstructure</u>	Kaul		3
3rd semester (SA 2027-2028)			
Core courses (12 ECTS)	Lecturers	Tags	ECTS
<u>Distributed Algorithms</u>	Pedone		6
<u>Financial Econometrics</u>	Mancini	SFI accreditation (min 45 ECTS)	6
<u>Founders II</u>	Gruber	Founders Option	12
<u>Algorithms & Complexity</u>	Papadopoulou		6
Elective courses (18 ECTS)	Lecturers	Tags	ECTS
<u>Advanced Topics in Finance</u>	Dieler, Füss		3
<u>Alternative Investments</u>	Mueller		3
<u>Data Analytics for Fraud Detection</u>	Pasadakis, Sathe		3
<u>Finance and Sustainability</u>	Frésard	SFI accreditation (min 45 ECTS)	3
<u>Financial Modeling</u>	Franzoni	SFI accreditation (min 45 ECTS)	6
<u>Financial Stability</u>	Mele	SFI accreditation (min 45 ECTS)	6
<u>Fintech Innovations in Financial Services</u>	Nam		3
<u>Innovation</u>	Munshi		3
<u>Interest Rate and Credit Risk Models</u>	Mele	SFI accreditation (min 45 ECTS)	6
<u>Mobile and Wearable Computing</u>	Santini		6
<u>Project Management</u>	Bassi		3
<u>Qualitative Marketing Research and Data Analysis</u>	Pellandini-Simányi		6
<u>Software Performance</u>	Hauswirth		6
<u>User Experience Design</u>	Landoni, Langheinrich		6
<u>Systems Security</u>	Regazzoni		6
MFT Master Thesis Preparation			6
MFT Master Thesis Preparation			12
4th semester (SP 2028)			
Core courses (0 ECTS)	Lecturers	Tags	ECTS
<u>Founders III</u>	Gruber	Founders Option	12
<u>Master Field Project</u>	Langheinrich, Pedone		12
Elective courses (33 ECTS)	Lecturers	Tags	ECTS
<u>Critical Consumer Behavior</u>	Gibbert		6
<u>Human Resources Management</u>	Solari		3
<u>Natural Language Processing for Business and Finance</u>	van der Plas		3
<u>Natural Language Processing for Business and Finance Project</u>	van der Plas		3
<u>Robotics</u>	Giusti		6

<u>Text Analysis and Spatial Data for Economists</u>		Parchet, D'Ambros	6
<u>Discrete Structures</u>		Wolf	6
Thesis			30

Core Informatics

Study Plan

1st semester (SA 2026-2027)

Core courses (30 ECTS)	Lecturers	Tags	ECTS
<u>Fundamentals of Informatics</u>	Sharygina		6
<u>Introduction to Fintech</u>	Gruber, Montemurro		6
<u>Introduction to Programming (Python)</u>	Binder		6
<u>Data Analytics for Finance I & II</u>	Gruber		6
<u>Investments</u>	Franzoni	SFI accreditation (min 45 ECTS)	6
Elective courses (0 ECTS)	Lecturers	Tags	ECTS
<u>Fintech Innovations in Financial Services</u>	Nam	Founders Option	3
<u>Business Plans and Business Models</u>	Martignoni	Founders Option	3

2nd semester (SP 2027)

Core courses (12 ECTS)	Lecturers	Tags	ECTS
<u>Data Management</u>	Eugster		6
<u>Financial Intermediation</u>	Berardi	SFI accreditation (min 45 ECTS)	6
<u>Founders I</u>	Gruber	Founders Option	6
Elective courses (18 ECTS)	Lecturers	Tags	ECTS
<u>Blockchains & Digital Currencies</u>	Morini		3
<u>Business Analytics</u>	Pieper		3
<u>Critical Consumer Behavior</u>	Gibbert		6
<u>Discrete Structures</u>	Wolf		6
<u>ESG I: Corporate Governance</u>	Seistrajikova	SFI accreditation (min 45 ECTS)	3
<u>Human Resources Management</u>	Solari		3
<u>Natural Language Processing for Business and Finance</u>	van der Plas		3
<u>Natural Language Processing for Business and Finance Project</u>	van der Plas		3
<u>Risk Management</u>	Plazzi	SFI accreditation (min 45 ECTS)	6
<u>Robotics</u>	Giusti		6
<u>Text Analysis and Spatial Data for Economists</u>	Parchet, D'Ambros		6
<u>Trading and Market Microstructure</u>	Kaul		3

3rd semester (SA 2027-2028)

Core courses (12 ECTS)	Lecturers	Tags	ECTS
<u>Distributed Systems</u>	Eugster		6
<u>Financial Econometrics</u>	Mancini	SFI accreditation (min 45 ECTS)	6
<u>Founders II</u>	Gruber	Founders Option	12
Elective courses (18 ECTS)	Lecturers	Tags	ECTS

<u>Advanced Topics in Finance</u>	Dieler, Füss		3
<u>Algorithms & Complexity</u>	Papadopoulou		6
<u>Alternative Investments</u>	Mueller		3
<u>Data Analytics for Fraud Detection</u>	Pasadakakis, Sathe		3
<u>Finance and Sustainability</u>	Frésard	SFI accreditation (min 45 ECTS)	3
<u>Financial Modeling</u>	Franzoni	SFI accreditation (min 45 ECTS)	6
<u>Financial Stability</u>	Mele	SFI accreditation (min 45 ECTS)	6
<u>Fintech Innovations in Financial Services</u>	Nam		3
<u>Innovation</u>	Munshi		3
<u>Interest Rate and Credit Risk Models</u>	Mele	SFI accreditation (min 45 ECTS)	6
<u>Mobile and Wearable Computing</u>	Santini		6
<u>Project Management</u>	Bassi		3
<u>Qualitative Marketing Research and Data Analysis</u>	Pellandini-Simányi		3
<u>Software Performance</u>	Hauswirth		6
<u>User Experience Design</u>	Landoni, Langheinrich		6
MFT Master's Thesis Preparation			6
MFT Master's Thesis Preparation			12
4th semester (SP 2028)			
Core courses (0 ECTS)	Lecturers	Tags	ECTS
<u>Founders III</u>	Gruber	Founders Option	12
<u>Master Field Project</u>	Langheinrich, Pedone		12
Elective courses (39 ECTS)	Lecturers	Tags	ECTS
<u>Critical Consumer Behavior</u>	Gibbert		6
<u>Discrete Structures</u>	Wolf		6
<u>Human Resources Management</u>	Solari		3
<u>Natural Language Processing for Business and Finance</u>	van der Plas		3
<u>Natural Language Processing for Business and Finance Project</u>	van der Plas		3
<u>Robotics</u>	Giusti		6
<u>Software Quality & Testing</u>	Pezzè		6
<u>Text Analysis and Spatial Data for Economists</u>	Parchet, D'Ambros		6
Thesis			30