Collegio Carlo Alberto
Master in Finance, Insurance and Risk Management 2024-2025
A POST GRADUATE MASTER OF THE ESOMAS DEPARTMENT AT THE UNIVERSITY OF TORINO

This Master prepares students for highly skilled occupations that benefit from a strong quantitative finance background. These include careers in risk and asset management, in Fintech, in securities design and trading, in banking and actuarial jobs.

Course Program
XXVII Edition - September 2024 - June 2025

FOUNDATIONS
- Programming
- Machine Learning
- Mathematics for Finance
- Asset Pricing
- Probability and Stochastic Processes for Finance

COMMON TRACK
- Financial Econometrics I
- Derivatives
- Fixed Income & Credit Risk
- Market Liquidity Risk
- Optimization Methods for Machine Learning and Quantitative Finance
- ESG Investing

FINANCE TRACK
- Quantitative Asset Allocation
- Finance with Python
- Financial Econometrics II
- Credit & Derivative Pricing
- Term Structures of Equity

PROFESSIONAL COURSES
- Algorithmic Trading
- Financial Applications of Unsupervised Machine Learning
- Machine Learning for Asset Allocation with Python
- Operational Risk Management
- Rating and Credit Risk
- Treasury Risk Management
- Solutions for Risk Management
- Systemic Risk Management
- Portfolio Analysis and Benchmarking
- Strategic and Tactical Asset Allocation Models and Tools
- Forecasting Techniques and Systematic Approaches to Asset Allocation
- Hedge Funds and Alternatives
- Robo Advisor
- Impact Investments
- IT for Financial Institutions
- Banking, Law and Regulation
- Private Markets Investing
- Investment Banking for Global Markets

APPLICATIONS ARE OPEN
Listed in the worldwide ranking 2023 the guide to World’s Leading Quantitative Finance Master Programmes

PLACEMENT

ADMISSIONS
Applicants hold a degree in either Economics, Business, Maths, Engineering, Statistics, Data Sciences, Computer Sciences or Physics. Students with laurea magistrale or equivalent graduate degree are awarded the second level Master of the University of Turin, in addition to the Master of the Collegio Carlo Alberto.

FEES AND SCHOLARSHIPS
Tuition for the Master program: € 15,000. They are comprehensive course material, use of the Collegio and University on-campus library, online databases and facilities, access to on-campus seminars. A number of merit based (partial or full) tuition waivers are available. They are awarded according to the admission ranking.

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