

TOTAL UNITS
necessary for degree completion:

Core - 400 units

Computing - 400 units

Electives - 450 units

CORE

COMPUTING

ELECTIVES

	AUTUMN	WINTER	SPRING	SUMMER	
CORE	<p>FINM 33000 - 100 units Mathematical Foundations of Option Pricing</p> <p>FINM 34000 - 50 units Probability and Stochastic Processes</p> <p>FINM 36700 - 100 units Portfolio Theory and Risk Management I</p>	<p>FINM 36702 - 50 units Portfolio Theory and Risk Management II</p>	<p>FINM 33150 - 100 units Regression Analysis and Quant. Trading Strategies</p> <p>BUSF 41202 - 100 units Analysis of Financial Time Series***</p> <p>Either FINM 33150 or BUSF 41202 must be taken as a core course. If both are taken, one may count as an elective course.</p>		
COMPUTING	<p>FINM 32850 - 100 units Case Studies for Computing in Finance</p> <p>FINM 33165 - 100 units Probabilistic Programming and Deep Learning</p>	<p>FINM 32500 - 100 units Computing for Finance in Python</p> <p>FINM 33160 - 100 units Machine Learning for Finance</p> <p>Either FINM 32500 or FINM 33160 is a required computing course</p>	<p>FINM 32600 - 100 units Computing for Finance in C++</p> <p>FINM 32000 - 100 units Numerical Methods</p> <p>Either FINM 32600 or FINM 32700 is a required computing course</p>	<p>FINM 32700 - 100 units Advanced Computing for Finance</p> <p>FINM 32950 - 50 units Introduction to HPC in Finance</p>	
ELECTIVES	<p>FINM 33180 - 100 units Multivariate Data Analysis via Matrix Decompositions</p> <p>FINM 35910 - 50 units Applied Algorithmic Trading</p> <p>FINM 37602 - 50 units Mathematical Market Microstructure: w/o Rationality Assumptions</p>	<p>FINM 35000 - 100 units Topics in Economics</p> <p>FINM 37601 - 50 units Mathematical Market Microstructure: An Optimization Approach</p>	<p>FINM 33170 - 100 units Financial Statistics: Time Series, Forecasting, Mean Reversion & High Frequency Data</p> <p>FINM 37301 - 50 units Foreign Exchange: Markets, Products & Pricing</p>	<p>FINM 34510 - 50 units Introduction to Stochastic Calculus</p> <p>FINM 33601 - 100 units Fixed Income Derivatives</p> <p>FINM 39100 - 50 units Model Risk, Counterparty Risk, and Systematic Risk</p>	<p>FINM 35500 - 100 units Corporate and Credit Securities</p>