



TOTAL UNITS
necessary for degree completion:

Required - 650 units



Computing - 200-300 units



Electives - 350 units



AUTUMN 2018

FINM 33000 - 100 units
Mathematical Foundations
of Option Pricing



FINM 33410 - 50 units
Probability for Risk
Management I



FINM 32500 - 100 units
Computing for Finance
in Python



FINM 36700 - 100 units
Portfolio Theory and
Risk Management I



WINTER 2018-19

FINM 32000 - 100 units
Numerical Methods



FINM 34500 - 100 units
Stochastic Calculus



FINM 32600 - 100 units
Computing for Finance
in C++**



FINM 33170 - 100 units
Financial Statistics:
Time Series, Forecasting,
Mean Reversion &
High Frequency Data



FINM 36702 - 50 units
Portfolio Theory and
Risk Management II



FINM 37301 - 50 units
Foreign Exchange:
Markets, Products & Pricing



SPRING 2019

FINM 33150 - 100 units
Regression Analysis and
Quant. Trading Strategies



BUSF 41202 - 100 units
Analysis of Financial
Time Series***



Either FINM 33150 or BUSF 41202
may count as required course

FINM 32700 - 100 units
Advanced Computing
for Finance



FINM 33160 - 100 units
Machine Learning
for Finance*



FINM 33601 - 100 units
Fixed Income Derivatives



FINM 35500 - 100 units
Corporate and
Credit Securities



BUSF 35125 - 100 units
Quantamental
Investment***



BUSF 41202 - 100 units
Analysis of Financial
Time Series***



SUMMER 2019

FINM 32950 - 50 units
Introduction to
HPC in Finance



AUTUMN 2019

FINM 32850 - 100 units
Case Studies for Computing
in Finance*



FINM 33165 - 100 units
Probabilistic Programming
and Deep Learning*



FINM 33180 - 100 units
Multivariate Data Analysis
via Matrix Decompositions



FINM 35000 - 100 units
Topics in Economics



FINM 33420 - 50 units
Statistical Inference for
Risk Management



FINM 37601 - 50 units
Mathematical Market
Microstructure:
An Optimization Approach



FINM 35910 - 50 units
Applied Algorithmic
Trading



FINM 39100 - 50 units
Model Risk, Counterparty Risk,
and Systemic Risk from a
Regulatory and Risk
Management Perspective



FINM 37602 - 50 units
Mathematical Market
Microstructure:
w/o Rationality Assumptions



*One of the following courses - 32850, 33160, and 33165 - may count as a computing course

**Required Computing course unless waived via placement exam

***Booth Courses - only one may count towards degree completion