

TOTAL UNITS
necessary for degree completion:

Core - 400 units

Computing - 400 units

Electives - 450 units

CORE

COMPUTING

ELECTIVES

AUTUMN	WINTER	SPRING	SUMMER
FINM 33000 - 100 units Mathematical Foundations of Option Pricing	FINM 34000 - 50 units Probability and Stochastic Processes	FINM 34510 - 50 units Stochastic Calculus I	FINM 36702 - 50 units Portfolio Theory and Risk Management II
FINM 36700 - 100 units Portfolio Theory and Risk Management I	FINM 34510 - 50 units Stochastic Calculus I	FINM 33150 - 100 units Regression Analysis and Quant. Trading Strategies	BUSF 41202 - 100 units Analysis of Financial Time Series
	Either FINM 34000 or FINM 34510 must be taken as a core course. If not taken as a core course, FINM 34510 may be taken as an elective.	Either FINM 33150 or BUSF 41202 must be taken as a core course. If both are taken, one may count as an elective course.	SUMMER PRACTICAL EXPERIENCE Degree requirement for full-time students. Students must enroll in either Practicum or Project Lab during Summer quarter to complete their PE Component.
FINM 32850 - 100 units Case Studies for Computing in Finance	FINM 32500 - 100 units Computing for Finance in Python	FINM 33160 - 100 units Machine Learning for Finance	FINM 32600 - 100 units Computing for Finance in C++
FINM 33165 - 100 units Probabilistic Programming and Deep Learning	FINM 32500 - 100 units Computing for Finance in Python	FINM 32600 - 100 units Computing for Finance in C++	FINM 32700 - 100 units Advanced Computing for Finance
Any computing courses taken to exceed 400 units will count towards electives.	Either FINM 32500 or FINM 33160 is a required computing course	FINM 32000 - 100 units Numerical Methods	Either FINM 32600 or FINM 32700 is a required computing course
FINM 33180 - 100 units Multivariate Data Analysis via Matrix Decompositions	FINM 35000 - 100 units Topics in Economics	FINM 33170 - 100 units Financial Statistics: Time Series, Forecasting, Mean Reversion & High Frequency Data	FINM 34520 - 50 units Stochastic Calculus II
FINM 35910 - 50 units Applied Algorithmic Trading	FINM 37601 - 50 units Mathematical Market Microstructure: An Optimization Approach	FINM 37301 - 50 units Foreign Exchange: Markets, Products & Pricing	FINM 33601 - 100 units Fixed Income Derivatives
FINM 37602 - 50 units Mathematical Market Microstructure: w/o Rationality Assumptions		FINM 39100 - 50 units Model Risk, Counterparty Risk, and Systematic Risk	FINM 35500 - 100 units Corporate and Credit Securities
FINM 36000 - 50 units Project Lab I *may only be taken once			
FINM 36001 - 0 units Project Lab II *may be taken infinite times			
FINM 38000 - 0 units FINM Practicum I *for those with a program approved internship or research project			
FINM 38001 - 50 units FINM Practicum II *for those with a program approved internship or research project, may be taken in alternating sequence with FINM 38000 , but cannot be taken more than twice in five quarters			
			*Any one of the following electives activities fulfills the Summer Practical Experience requirement: