### TOTAL UNITS
necessary for degree completion:

<table>
<thead>
<tr>
<th>Core</th>
<th>Computing</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 400 units</td>
<td>- 400 units</td>
<td>- 450 units</td>
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</tbody>
</table>

#### Autumn

**Core**
- FINM 33000 - 100 units
  Mathematical Foundations of Option Pricing

**Computing**
- FINM 34000 - 50 units
  Probability and Stochastic Processes

**Electives**
- FINM 36700 - 100 units
  Portfolio Theory and Risk Management I

#### Winter

**Core**
- FINM 34510 - 50 units
  Stochastic Calculus I

**Computing**
- FINM 36702 - 50 units
  Portfolio Theory and Risk Management II

**Electives**
- 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.

#### Spring

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

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

**Electives**
- Either FINM 3350 or BUSF 41202 must be taken as a core course. If both are taken, one may count as an elective course.

#### Summer

**Core**
- FINM 33601 - 100 units
  Fixed Income Derivatives

**Computing**
- FINM 33500 - 100 units
  Corporate and Credit Securities

**Electives**
- FINM 33000 - 100 units
  Mathematical Foundations of Option Pricing

Either FINM 33000 or BUSF 41202 must be taken as a core course. If both are taken, one may count as an elective course.

### Degree Requirement for Full-Time Students
Students must enroll in either Practicum or Project Lab during Summer Quarter to complete their PE Component.

### Any one of the following electives fulfills the Summer Practical Experience requirement:

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

- FINM 32500 - 100 units
  Computing for Finance in Python

- FINM 32600 - 100 units
  Advanced Computing for Finance

- FINM 32700 - 100 units
  Advanced Computing for Finance

- FINM 32950 - 50 units
  Introduction to HPC in Finance

- FINM 33160 - 100 units
  Machine Learning for Finance

- FINM 33180 - 100 units
  Multivariate Data Analysis via Matrix Decompositions

- FINM 33500 - 100 units
  Topics in Economics

- FINM 33601 - 100 units
  Mathematical Market Microstructure: An Optimization Approach

- FINM 33700 - 100 units
  Mathematical Market Microstructure: W/o Rationality Assumptions

- FINM 33800 - 50 units
  Project Lab I
  *may only be taken once

- FINM 33801 - 0 units
  Project Lab II
  *may be taken infinite times

- FINM 34000 - 50 units
  Probability and Stochastic Processes

- FINM 34100 - 50 units
  Stochastic Calculus I

- FINM 34200 - 50 units
  Stochastic Calculus II

- FINM 34201 - 50 units
  Fixed Income Derivatives

- FINM 34300 - 50 units
  Model Risk, Counterparty Risk, and Systematic Risk

- FINM 34400 - 50 units
  Portfolio Theory and Risk Management II

- FINM 34500 - 50 units
  Portfolio Theory and Risk Management II

- FINM 34510 - 50 units
  Stochastic Calculus I

- FINM 34520 - 50 units
  Stochastic Calculus II

- FINM 34600 - 50 units
  Model Risk, Counterparty Risk, and Systematic Risk

- FINM 34700 - 50 units
  Model Risk, Counterparty Risk, and Systematic Risk

- FINM 34800 - 50 units
  Model Risk, Counterparty Risk, and Systematic Risk

- FINM 34900 - 50 units
  Model Risk, Counterparty Risk, and Systematic Risk

- FINM 35000 - 100 units
  Corporate and Credit Securities

- FINM 35100 - 50 units
  Corporate and Credit Securities

- FINM 35200 - 50 units
  Corporate and Credit Securities

- FINM 35300 - 50 units
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- FINM 36000 - 50 units
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- FINM 36100 - 50 units
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- FINM 36200 - 50 units
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- FINM 36300 - 50 units
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- FINM 37100 - 50 units
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- FINM 37200 - 50 units
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- FINM 39800 - 50 units
  Corporate and Credit Securities

- FINM 39900 - 50 units
  Corporate and Credit Securities

- *Any one of the following electives fulfills the Summer Practical Experience requirement:

  - FINM 32600 or FINM 32700
  - FINM 32500 or FINM 33160

- Any computing courses taken to exceed 400 units will count towards electives.