**Applied Mathematics Option**

M 171Q - Calculus I  4
or M 181Q - Honors Calculus I

M 172Q - Calculus II  4
or M 182Q - Honors Calculus II

M 221 - Introduction to Linear Algebra  3

M 242 - Methods of Proof  3

M 273Q - Multivariable Calculus  4
or M 283Q - Honors Multivariable Calculus

M 274 - Introduction to Differential Equation  4
or M 284 - Honors Introduction to Differential Equations

M 286R - Software Applications in Mathematics  3

M 441 - Numerical Linear Algebra & Optimization  3

M 442 - Numerical Solution of Differential Equations  3

STAT 332 - Statistics for Scientists and Engineers  3

Choose four from the following math or statistics electives:  12

M 330 - History of Mathematics
M 333 - Linear Algebra
M 383 - Introduction to Analysis I
M 384 - Introduction to Analysis II
M 430 - Mathematical Biology
M 431 - Abstract Algebra I
M 450 - Applied Mathematics I
M 451 - Applied Mathematics II
M 454 - Introduction of Dynamical Systems I
M 455 - Introduction to Dynamical Systems II
M 472 - Introduction to Complex Analysis

STAT 421 - Probability Theory
STAT 422 - Mathematical Statistics

PHSX 220 - Physics I (w/ calculus)  4

PHSX 221 - Physics II (w/ calculus)  4

PHSX 224 - Physics III  4

M 330 - History of Mathematics
M 333 - Linear Algebra
M 383 - Introduction to Analysis I
M 384 - Introduction to Analysis II
M 430 - Mathematical Biology
M 431 - Abstract Algebra I
M 450 - Applied Mathematics I
M 451 - Applied Mathematics II
M 454 - Introduction of Dynamical Systems I
M 455 - Introduction to Dynamical Systems II
M 472 - Introduction to Complex Analysis

A minimum of 120 credits is required for graduation: 42 of these credits must be in courses numbered 300 and above. Core 2.0 must be completed for graduation.

**Freshman Year**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>CLS 101US - Knowledge and Community</td>
<td>3</td>
<td></td>
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<tr>
<td>or COM 110US -</td>
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Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.