

Mathematics & Finance Major Requirements (84)

Foundation Courses

- CMPUT 174 - Introduction to the Foundations of Computation I (See Note 1)
- CMPUT 175 - Introduction to the Foundations of Computation II (See Note 1)
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- MATH 154 - Calculus for Business and Economics I
- MATH 156 - Calculus for Business and Economics II
- STAT 161 - Introductory Statistics for Business and Economics (See Note 4)

3 units from:

MATH 125 - Linear Algebra I

MATH 127 - Honors Linear Algebra I _____

Senior Courses

- ACCTG 211 - Introduction to Accounting for Financial Performance
- ECON 281 - Intermediate Microeconomic Theory I
- FIN 201 - Introduction to Finance
- MATH 216 - Introduction to Analysis (See Note 2)
- MATH 253 - Theory of Interest
- MATH 356 - Introduction to Mathematical Finance I
- MATH 357 - Introduction to Mathematical Finance II
- MATH 373 - Introduction to Optimization
- OM 252 - Operations Management
- STAT 265 - Probability and Statistics I
- STAT 266 - Probability and Statistics II
- STAT 371 - Probability and Stochastic Processes
- STAT 471 - Probability I

3 units from:

MATH 214 - Calculus III

MATH 217 - Honors Calculus III _____

3 units from:

MATH 225 - Linear Algebra II

MATH 227 - Honors Linear Algebra II _____

3 units from:

MATH 334 - Ordinary Differential Equations

MATH 336 - Honors Ordinary Differential Equations _____

3 units from:

ECON 399 - Introductory Econometrics (See Note 6)

STAT 378 - Applied Regression Analysis _____

9 units from:

FIN at the 400-level

- COMM
- COMM
- IND
- BO__
- BO__
- BSBS
- BSFS
- BSSS
- LAB

Notes:

1. CMPUT 274 and CMPUT 275 can serve as substitutes for CMPUT 174 and CMPUT 175, respectively.
2. Students who successfully complete MATH 117 must replace MATH 216 with 3 units selected from MATH at the 200-level or higher.
3. With consent of the Department, students may substitute MATH 100 for MATH 117, MATH 134, MATH 144 or MATH 154; MATH 101 for MATH 118, MATH 136, MATH 146 or MATH 156; MATH 102 for MATH 125 or MATH 127.
4. STAT 161 can be replaced by STAT 151.
5. ECON 299, ECON 386 or ECON 387 may not be used for credit in any Honors degree offered by the Department of Mathematical and Statistical Sciences.
6. Students planning on taking ECON 399 in place of STAT 378 will need to take ECON 282 in their degree program and ensure successful completion of either the Assessment of Reading, Comprehension, and Writing in Economics or ECON 109. The ECON 299 prerequisite for ECON 399 is met by STAT 265 and STAT 266.