

# Honors Mathematics & Economics Requirements (96)

## 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

### 3 units from:

MATH 117 - Honors Calculus I  
 MATH 154 - Calculus for Business and Economics I \_\_\_\_\_

### 3 units from:

MATH 118 - Honors Calculus II  
 MATH 156 - Calculus for Business and Economics II \_\_\_\_\_

### 3 units from:

MATH 125 - Linear Algebra I  
 MATH 127 - Honors Linear Algebra I \_\_\_\_\_

## Senior Courses

- ECON 281 - Intermediate Microeconomic Theory I
- ECON 282 - Intermediate Macroeconomic Theory I
- ECON 384 - Intermediate Microeconomic Theory II
- ECON 385 - Intermediate Macroeconomic Theory II
- ECON 481 - Advanced Microeconomic Theory
- ECON 482 - Advanced Macroeconomic Theory
- ECON 497 - Econometric Methods
- MATH 216 - Introduction to Analysis (See Note 2)
- MATH 217 - Honors Calculus III
- MATH 226 - Algebraic Structures (See Note 3)
- MATH 317 - Honors Calculus IV
- STAT 265 - Probability and Statistics I
- STAT 266 - Probability and Statistics II
- STAT 378 - Applied Regression Analysis

### 3 units from:

MATH 225 - Linear Algebra II  
 MATH 227 - Honors Linear Algebra II \_\_\_\_\_

### 12 units from:

MATH 336 - Honors Ordinary Differential Equations \_\_\_\_\_  
 MATH 373 - Introduction to Optimization \_\_\_\_\_  
 MATH 381 - Numerical Methods \_\_\_\_\_  
 MATH 417 - Real Analysis \_\_\_\_\_  
 STAT 371 - Probability and Stochastic Processes \_\_\_\_\_  
 STAT 372 - Mathematical Statistics \_\_\_\_\_  
 STAT 479 - Time Series Analysis \_\_\_\_\_

### 3 units from:

MATH 499 - Research Project \_\_\_\_\_  
 STAT 499 - Research Project \_\_\_\_\_

### 9 units from:

ECON at the 200, 300 and/or 400-level \_\_\_\_\_

### 6 units from: (See Note 4)

MATH and/or STAT at the 200, 300 and/or 400-level \_\_\_\_\_

### 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. Students who complete MATH 127 and MATH 227 can replace MATH 226 with 3 units selected from any 200-, 300-, and 400-level MATH course.
4. If only one of MATH 417 and STAT 479 is taken, then 3 units of this program requirement must be at the 400-level; if neither MATH 417 nor STAT 479 are taken, then the full 6 units must be at the 400-level.
5. 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.
6. 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.
7. 300- and 400-level ECON courses require successful completion of either the Assessment of Reading, Comprehension, and Writings in Economics or ECON 109.

- COMM
- COMM
- IND
- BO\_\_
- BO\_\_
- BSBS
- BSFS
- BSSS
- LAB