

MATH MAJOR

1st YEAR

Fall Spring Summer
 (+) = Even years

Lower Division Program Requirements: 40 UNITS

- CMPT 120/130:** Intro to Computing Science and Programming I
- CMPT 125/135:** Intro to Computing Science and Programming II
- MACM 101:** ...
- MACM 201:** Discrete Mathematics II
- MACM 203**:** Computing with Linear Algebra
- MACM 204**
- MATH 150/151:** Calculus I
- MATH 152:** Calculus II
- MATH 232/240:** ...
- MATH 242:** Intro to Analysis
- MATH 251:** Calculus III
- STAT 270:** Intro to Probability and Statistics
- 6 UNITS:** Faculty of Science courses outside of MATH/STATS.
 (Excluding PHYS 100, BISC 100, and CHEM 110/111.)

*Minimum Prereqs required for MATH 232
 **MACM 401 or MACM 442 can substitute MACM 204.

WQB Requirements: 21 UNITS

6 UNITS:

- B-HUM:** _____
- B-HUM:** _____
- B-SOC:** _____
- B-SOC:** _____
- LB-SCI:** _____

3 UNITS:

- LD w designated course

ELECTIVES: 20 UNITS

14 UD UNITS:	15 LD or UD UNITS:
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2nd YEAR

3rd YEAR

4th YEAR

Upper Division Program Requirements: 30 UNITS

ONE OF:

- MATH 340:** Algebra II, Rings and Fields
- MATH 320:** Intro to Analysis II
- MATH 322:** Complex Variables
- MATH 380W:** History of Mathematics
- MATH 381W:** Undergraduate Mathematics Seminar
- MATH 402W:** Operations with Groups
- MATH 403W:** ...
- MATH 404W:** ...
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- MATH 406W:** ...
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- MATH 447W:** Coding Theory
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- MATH 499W:** ...

ONE OF:

- MATH 338:** Advanced Linear Algebra
- MATH 341:** Algebra III, Groups
- MATH 342:** Elementary Number Theory
- MATH 343:** Applied Discrete Math
- MATH 345:** Intro to Graph Theory
- MATH 401:** ...
- MATH 402:** ...
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ONE OF:

- MACM 316:** Numerical Analysis I
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*Up to 6 units can be from PHIL 345W, PHYS 413, or any UD STAT course (except for STAT 302, STAT 305, STAT 310, STAT 311, STAT 320, and STAT 405).