MATH 247 Honours Applied Linear Algebra and MATH 251 Honours Algebra 2 are equivalent.

COMP 250 Introduction to Computer Science (3 credits) *
COMP 252 Honours Algorithms and Data Structures (3 credits)
MATH 235 Algebra 1 (3 credits)
MATH 242 Analysis 1 (3 credits)
MATH 248 Honours Advanced Calculus (3 credits)
MATH 251 Honours Algebra 2 (3 credits)
MATH 255 Honours Analysis 2 (3 credits)
MATH 325 Honours Ordinary Differential Equations (3 credits)
MATH 350 Graph Theory and Combinatorics (3 credits)
MATH 356 Honours Probability (3 credits)
MATH 357 Honours Statistics (3 credits)
MATH 375 Honours Partial Differential Equations (3 credits)
MATH 376 Honours Nonlinear Dynamics (3 credits)
MATH 470 Honours Research Project (3 credits)

*COMP 250 may be preceded by COMP 202

Complementary Courses
(18 credits)

3 credits selected from
MATH 249 Honours Complex Variables (3 credits)
MATH 366 Honours Complex Analysis (3 credits)

at least 3 credits selected from   :
MATH 387 Honours Numerical Analysis (3 credits)
MATH 397 Honours Matrix Numerical Analysis (3 credits)

and the remainder of credits selected from:
COMP 362 Honours Algorithm Design (3 credits)
MATH 352 Problem Seminar (1 credit)
MATH 354 Honours Analysis 3 (3 credits)
MATH 355 Honours Analysis 4 (3 credits)
MATH 370 Honours Algebra 3 (3 credits)
MATH 371 Honours Algebra 4 (3 credits)
MATH 377 Honours Number Theory (3 credits)
MATH 380 Honours Differential Geometry (3 credits)
MATH 480 Honours Independent Study (3 credits)
MATH 487 Honours Mathematical Programming (3 credits)
MATH 488 Honours Set Theory (3 credits)
MATH 490 Honours Mathematics of Finance (3 credits)

All MATH 500-level courses

No more than 6 credits form the following courses for which no
Honours equivalent exists:

MATH 204 Principles of Statistics 2 (3 credits)
MATH 329 Theory of Interest (3 credits)
MATH 338 History and Philosophy of Mathematics (3 credits)
MATH 348 Topics in Geometry (3 credits)
MATH 407 Dynamic Programming (3 credits)
MATH 537 Honours Mathematical Models in Biology (4 credits)

Other courses with the permission of the Department.

COMP 250 Introduction to Computer Science (3 credits) *
COMP 252 Honours Algorithms and Data Structures (3 credits)
MATH 235 Algebra 1 (3 credits)
MATH 242 Analysis 1 (3 credits)
MATH 248 Honours Advanced Calculus (3 credits)
**MATH 247 Honours Applied Linear Algebra (3 credits)
**MATH 251 Honours Algebra 2 (3 credits)
MATH 255 Honours Analysis 2 (3 credits)
MATH 325 Honours Ordinary Differential Equations (3 credits)
MATH 350 Graph Theory and Combinatorics (3 credits)
MATH 356 Honours Probability (3 credits)
MATH 357 Honours Statistics (3 credits)
MATH 375 Honours Partial Differential Equations (3 credits)
MATH 376 Honours Nonlinear Dynamics (3 credits)
MATH 470 Honours Research Project (3 credits)

*COMP 250 may be preceded by COMP 202
** Students select either MATH 251 or MATH 247, but not both.