MATHEMATICS – JOINT HONOURS (ARTS) – BACHELOR OF ARTS (HONOURS)

MATH[----]-A or [----]MATH-A (where [----] is a second subject of study)

Subject: Administered by the Department of Mathematics and Statistics.

Plan: Consists of 42.00 units as described below.

Program: The Plan, in combination with a Joint Honours Plan in another subject, and with sufficient electives to total 120.00 units (114.00 units for students admitted prior to September 2017), will lead to a Bachelor of Arts (Honours) Degree.¹

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1. Core

A. Complete 6.00 units from the following: 6.00
   - MATH 110  Linear Algebra
   - MATH 111  Linear Algebra

B. Complete 6.00 units from the following: 6.00
   - MATH 120  Differential and Integral Calculus
   - MATH 121  Differential and Integral Calculus
   - MATH 123 and MATH 124  Differential and Integral Calculus I & II

C. Complete 3.00 units from the following: 3.00
   - MATH 221  Vector Calculus
   - MATH 280  Advanced Calculus

D. Complete 6.00 units from the following: 6.00
   - STAT 252  Introductory Applied Probability
   - or STAT 268  Statistics and Probability I
   - or STAT 351  Probability I
   - and
   - STAT 263  Introduction to Statistics
   - or STAT 269  Statistics and Probability II

E. Complete 3.00 units from the following: 3.00
   - MATH 225  Ordinary Differential Equations
   - MATH 231  Differential Equations

2. Option

A. Complete 12.00 units from the following: 12.00
   - BIOM at the 300-level or above
   - MATH at the 300-level or above
   - STAT at the 300-level or above

B. Complete 6.00 units from the following: 6.00
   - MATH 211  Algebraic Methods
   - or
   - MATH 210 and 3.00 units from BIOM; MATH; STAT at the 200-level or above

## Electives

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Elective Courses ¹ 78.00

Total Units 120.00

3. Notes

A. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses in the Faculty of Engineering and Applied Science.