



Advanced Science core



Major



Science elective



Free Elective



General Education Elective



CORE ADVANCED MATHS PROGRAM (144 UOC)

**SCIF1121 or
SCIF1131
(6UOC)**

**MATH1081
Discrete
MATH
(6UOC)**

**MATH1141
Higher MATH
1A
(6UOC)**

**MATH1241
Higher MATH
1B
(6UOC)**

**COMPUTER
SCIENCE
Level 1
(6UOC)**

**MATH2111
Higher Several
Variable
Calculus
(6UOC)**

**MATH2130
Higher Math
Methods for
Diff Eqns
(3UOC)**

**MATH2301
Mathematical
Computing
(6UOC)**

**MATH2601
Higher
Linear Algebra
(6UOC)**

**MATH2620
Higher
Complex
Analysis
(3 UOC)**

**MATH2901
Higher
Theory of
Statistics
(6 UOC)**

**Science elective
(6UOC)**

12 UOC Level III
Level III Mathematics courses
chosen with the approval of the
Honours Co-ordinator (Applied) or nominee

18 UOC Level III
from the following courses:
MATH3041, MATH3101, MATH3121
MATH3161, MATH3201, MATH3261
MATH3311, MATH6781

• **Recommended Electives** (the following courses are not required for this major, but are recommended as good complementary courses when selecting electives): Students interested in: Physical sciences or theoretical oceanography, meteorology or fluid dynamics: **PHYS1121 and PHYS1221**. Social or biological sciences: (Biology) **BABS1201 and BIOS1101**. (Psychology) **PSYC1001 and PSYC1011**. (Chemistry) **CHEM1011 and CHEM1021**. (Computer Science) **COMP1917**.
Stage II recommended elective **MATH2241**.

- Is there 24 UOC of level I 'Science' courses included in the major? (Yes – no further level I Science courses required to be taken as electives).
- Is there 30 UOC of level III courses included in the major? (Yes – no further level III Science courses required to be taken as electives).
- 'Science' courses are defined as per Table 1.
- Higher level courses where available at level II and III in a major must be taken.
- Double majors are not allowed.

BREADTH (48 UOC)

**Free elective
(6UOC)**

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(6 UOC)**

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(6 UOC)**

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(6 UOC)**

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(6 UOC)**

**Free elective
(6 UOC)**

**General
Education
Elective
(6 UOC)**

**General
Education
Elective
(6 UOC)**

NOTES:

• Breadth component is not completed where students undertake a concurrent degree program.

**Applied Honours Year
(48 UOC)**

SINGLE DEGREE SCIENCE PROGRAM (192 UOC) [144 UOC core + 48 UOC breadth]

• In the single degree program a maximum of 72 UOC of level I and GEN##### courses taken for General Education is allowed.