UNSW THE UNIVERSITY OF NEW SOUTH WALES | FACULTY OF SCIENCE

3986 Bachelor of Science (Advanced Mathematics) with a major in Advanced Statistics

(Pure Mathematics major is 84 units of credit)

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 Calc **(6UOC)**

MATH2130 Higher Math Method for DEs **(3UOC)**

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

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

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

MATH2931 Higher Linear Models **(6 UOC)**

MATH3821 Stat Modelling & Computing **(6UOC)**

MATH3901 Higher Prob & Stochastic Proc **(6UOC)**

MATH3911 Higher Stats Inference **(6UOC)**

12 UOC Level III MATH or STATS courses chosen with the approval of the Honours Co-ordinator (Statistics) or nominee

Science elective (6UOC)

- 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 major is not allowed.
- **Note:** For professional accreditation, students in this plan must include at least one of the following amongst their level III electives: **MATH3831, MATH3841, MATH3851**

BREADTH (48 UOC)

Free elective (6UOC)

Free elective (6 UOC)

Free elective (6 UOC)

Free elective (6 UOC)

Free elective (6 UOC)

Free elective (6 UOC)

General Education Elective (6 UOC)

General Education Elective (6 UOC)

Advanced Statistics Honours Year
(48 UOC)

NOTES:
- Breadth component is not completed where students undertake a concurrent degree program.

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.