

Bachelor of Advanced Mathematics (Honours) (3956) - [Handbook](#)

2022 Commencing Students
Program Structure

Single Degree Mode

| | | | | |
|----------------------|-------------------|---------------------|---------|---------|
| PROGRAM STRUCTURE | An approved Major | 96 UOC (16 courses) | 144 UOC | 192 UOC |
| | Science Electives | | | |
| | Honours | | | |
| | Free Electives | 48 UOC | | |
| | General Education | 12 UOC (2 courses) | | |

Science Electives are courses taken from within the Faculty of Science or as defined [here](#)

Free Electives are courses from any Faculty at UNSW including Science, but cannot be GEN-branded courses

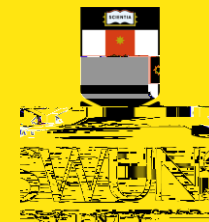
General Education must taken from courses that are not considered

Dual Degree Mode

| | | | | |
|----------------------|----------------------|---|---------|--|
| PROGRAM STRUCTURE | An approved Major | 96 UOC | 144 UOC | 240 UOC (ADA / BUS) 288 UOC (LAW / ENG) |
| | Science Electives | | | |
| | Honours | | | |
| | Other Degree Courses | 96 UOC (ADA or BUS) 144 UOC (LAW or ENG) | | |

courses taken for General Education.

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2022 Commencing Students – Single Degree – Major in Advanced Statistics ([MATHU1](#))

Choose from available proposed courses in each year

| Year 1 | | | Year 2 | | | Year 3 | | |
|---|---|---------------------|--|---|------------------------------------|---|---|--------------------------------------|
| SCIF1131 Introductory Skills for Science (T1, T3) | MATH1241 Higher Mathematics 1B (T1,T2) | 6 UOC Free Elective | MATH2111 Higher Several Variable Calculus (T1) | MATH2601 Higher Linear Algebra (T2) | MATH2931 Higher Linear Models (T3) | MATH3901 Higher Probability and Stochastic Processes (T1) | MATH3821 Statistical Modelling and Computing (T2) | 6 UOC Any Level 3 Mathematics Course |
| MATH1141 Higher Mathematics 1A (T1,T3) | 6 UOC Level 1 Computer Science Elective | 6 UOC Free Elective | 6 UOC Science Elective | MATH2901 Higher Theory of Statistics (T2) | 6 UOC General Education | MATH3911 Higher Statistical Inference (T1) | 6 UOC Mathematics level 3 (See Note 1) | |
| MATH1081 Discrete Mathematics (T1,T2, T3) | 6 UOC Free Elective | | 6 UOC Free Elective | MATH2221 (T2) or MATH2621 (T3) | | 6UOC Free Elective | 6 UOC General Education | |

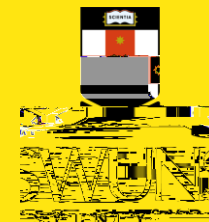
| | |
|--------------|---|
| NOTES | This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. |
| | Note 1: 6 UOC Mathematics level 3: MATH3831 (T2), MATH3841 (TBC), MATH3851 (T3), MATH3871 (T3) |
| | See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan. |
| | Note: All students in Advanced Mathematics (Hons) must complete an Honours year of 48 UoC. Please note the Honours component is not included in this template. |

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Science

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2022 Commencing Students – Double Degree – Major in Applied Mathematics ([MATHA1](#))

Choose from available proposed courses in each year

| Year 4 | | |
|---------------------|---------------------|---------------------|
| Other Degree Course | Other Degree Course | Other Degree Course |
| Other Degree Course | Other Degree Course | Other Degree Course |
| Other Degree Course | Other Degree Course | |

| | |
|--------------|--|
| NOTES | |
| | |
| | |

Science

Bachelor of Advanced Mathematics (Honours) (3956)

2022 Commencing Students – Single Degree – Major in Pure Mathematics ([MATHP1](#))

Choose from available proposed courses in each year

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and

Science

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2022 Commencing Students – Double Degree – Major in Pure Mathematics ([MATHP1](#))