

Science

# Bachelor of Advanced Mathematics (Honours) (3956)



2019 Commencing Students

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**UNSW**  
SYDNEY

**Science**

**Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)**

with a major in **Advanced Statistics** (MATHU13956)

SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science	Free Elective	Free Elective	Free Elective
MATH2111 T1	MATH2221 (T2) or MATH2621 (T3)	MATH2601 T2	MATH2901 T2	MATH2931 T3	Science Elective	Free Elective	Free Elective
MATH3821 T2	MATH3901 T1	MATH3911 T1	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*	General Education	General Education	Free Elective

Program Structure			
Major	84 UoC (14 courses)	144 UoC	192 UoC
SCIF1131	6 UoC (1 course)		
Science Elective	6 UoC (1 course)		
Honours Year	48 UoC	48 UoC	
Free Electives	36 UoC (6 courses)		
General Education	12 UoC (2 courses)		

Information correct for students commencing the Bachelor of Advanced Mathematics (Honours) in 2019

All students in Advanced Mathematics must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take *Science Electives*, *Free Electives*, and *General Education* courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

**Science Electives** are courses taken from within the Faculty of Science, as defined by *Table 1* in the 3970 Bachelor of Science Online Handbook.

**Free Electives** may be from Science or any other Faculty at UNSW.

**General Education** courses cannot be Science courses, and Science students cannot take GEN courses for their General Education.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

**Progression check**      Student ID: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

\_\_\_\_\_ UOC Completed

\_\_\_\_\_ UOC Enrolled

\_\_\_\_\_ UOC Remaining



SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science			
MATH2111 T1	MATH2221 (T2), or MATH2621 (T3)	MATH2601 T2	MATH2901 T2	MATH2931 T3			
MATH3821 T2	MATH3901 T1	MATH3911 T1	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*			
Science Elective							

Program Structure (Dual Degree Mode)			
Major	84 UoC (14 courses)	144 UoC	240-288 UoC
SCIF1131	6 UoC (1 course)		
Science Elective	6 UoC (1 course)		
Honours Year	48 UoC		
Other Degree	96 UoC or 144 UoC (16 - 24 courses)		

Science Electives are courses taken from within the Faculty of Science, as defined by Table 1 in the 3970 Bachelor of Science Online Handbook.

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

General Education courses are not allowed in dual degree programs (GENxxxxx coded courses)

**Progression check** Student ID: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

\_\_\_\_\_ UOC Completed for science  
 \_\_\_\_\_ UOC **Enrolled** for science  
 \_\_\_\_\_ UOC Remaining for science



**UNSW**  
SYDNEY

**Science**

**Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)**

with a major in **Applied Mathematics** (MATHA13956)

SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science	Free Elective	Free Elective	Free Elective
MATH2111 T1	MATH2221 T2	MATH2301 T1	MATH2601 T2	MATH2621 T3	MATH2901 T2	Free Elective	Free Elective
6 UoC from Stage 3 Electives	6 UoC from Stage 3 Electives	6 UoC from Stage 3 Electives	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*	General Education	General Education	Free Elective

Program Structure			
Major	90 UoC (15 courses)	144 UoC	<b>192 UoC</b>
SCIF1131	6 UoC (1 course)		
Honours Year	48 UoC		
Free Electives	36 UoC (6 courses)	48 UoC	
General Education	12 UoC (2 courses)		

All students in Advanced Mathematics must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take *Science Electives, Free Electives, and General Education* courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.

**Stage 3 Electives:**

MATH3041 (T2), MATH3101 (T3), MATH3121 (T1), MATH3161 (T1), MATH3171 (T3)  
MATH3201 (T3), MATH3261 (T1), MATH3311 (T2), MATH3361 (T1) MATH6781 (T2).

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

**Free Electives** may be from Science or any other Faculty at UNSW.

**General Education** courses cannot be Science courses, and Science students cannot take GENS courses for their General Education.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

**Progression check** Student ID: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

\_\_\_\_ UOC Completed  
 \_\_\_\_ UOC Enrolled  
 \_\_\_\_ UOC Remaining



SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science			
MATH2111 T1	MATH2221 T2	MATH2301 T1	MATH2601 T2	MATH2621 T3	MATH2901 T2		
6 UoC from Stage 3 Electives	6 UoC from Stage 3 Electives	6 UoC from Stage 3 Electives	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*			

Program Structure (Dual Degree Mode)			
Major	90 UoC (15 courses)	144 UoC	240-288 UoC
SCIF1131	6 UoC (1 course)		
Honours Year	48 UoC		
Other Degree	96 UoC or 144 UoC (16 - 24 courses)		

**Stage 3 Electives:**  
 MATH3041 (T2), MATH3101 (T3), MATH3121 (T1), MATH3161 (T1), MATH3171 (T3)  
 MATH3201, (T2), MATH3261 (T1), MATH3311 (T2), MATH3361 (T1) MATH6781 (T2).

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

**General Education courses** are not allowed in dual degree programs (GENxxxxx coded courses)

<b>Progression check</b>	Student ID: _____
Name: _____	
Date: _____	Advisor: _____

_____ UOC Completed for science
_____ UOC Enrolled for science
_____ UOC Remaining for science



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Science

# Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)

with a major in **Pure Mathematics** (MATHP13956)

SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science	Free Elective	Free Elective	Free Elective
MATH2111 T1	MATH2221 T2	MATH2601 T2	MATH2621 T3	MATH2701 T3	MATH2901 T2	Free Elective	Free Elective
MATH3611 T2	MATH3701 T3	MATH3711 T1	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*	General Education	General Education	Free Elective

Program Structure			
Major	90 UoC (15 courses)	144 UoC	192 UoC
SCIF1131	6 UoC (1 course)		
Honours Year	48 UoC		
Free Electives	36 UoC (6 courses)	48 UoC	
General Education	12 UoC (2 courses)		

All students in Advanced Mathematics must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take *Science Electives*, *Free Electives*, and *General Education* courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

**Please Note:** Semester offerings are subject to change, please check the timetable prior to planning for your enrolment.

<b>Progression check</b>	Student ID: _____
Name: _____	
Date: _____	Advisor: _____

**Free Electives** may be from Science or any other Faculty at UNSW.

**General Education** courses cannot be Science courses, and Science students cannot take GEN<sub>S</sub> courses for their General Education.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

_____ UOC Completed
_____ UOC Enrolled
_____ UOC Remaining



**UNSW**  
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# Science

## Dual Degree – Bachelor of Advanced Mathematics (Honours)

with a major in **Pure Mathematics**

SCIF1131 T1, T3	MATH1081 T1, T2, T3	MATH1141 T1, T3	MATH1241 T1, T2	6 UoC Stage 1 computer science			
MATH2111 T1	MATH2221 T2	MATH2601 T2	MATH2621 T3	MATH2701 T3	MATH2901 T2		
MATH3611 T2	MATH3701 T3	MATH3711 T1	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*			

Program Structure (Dual Degree Mode)			
Major	90 UoC (15 courses)	144 UoC	240-288 UoC
SCIF1131	6 UoC (1 course)		
Honours Year	48 UoC		
Other Degree	96 UoC or 144 UoC (16 - 24 courses)		

All students in Advanced Mathematics must complete an Honours year of 48 UoC.

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

**General Education courses** are not allowed in dual degree programs (GENxxxxx coded courses)

**Progression check**      Student ID: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_      Advisor: \_\_\_\_\_

\_\_\_\_\_ UOC Completed for science

\_\_\_\_\_ UOC Enrolled for science

\_\_\_\_\_ UOC Remaining for science

*Information correct for students commencing the Bachelor of Advance Mathematics (Honours) in dual mode in 2019*



SCIF1131 (S1, S2)	MATH1081 S1, S2, T1, T2, T3	MATH1141 S1, T1, T3	MATH1241 S2, T1, T2	6 UoC Stage 1 COMP####			
MATH2111 T1	MATH2221 T2	MATH2601 T2	MATH2621 T3	MATH2701 T1	MATH2901 T2		
MATH3611 T2	MATH3701 T3	MATH3711 T1	6 UoC Stage 3 Approved MATH*	6 UoC Stage 3 Approved MATH*			
Sci/Comp Sci Elective	Sci/Comp Sci Elective	Sci/Comp Sci Elective	Sci/Comp Sci Elective				
Honours	Honours	Honours	Honours	Honours	Honours	Honours	Honours

Program Structure (Dual Degree Mode)			
Major	90 UoC (15 courses)	144 UoC	240 UoC
SCIF1131	6 UoC (1 course)		
Honours	48 UoC		
Overlap with Comp Sci	-24 UoC		
Electives to make up for overlap	24 UoC		
Comp Sci Degree	72 UoC (12 courses)		

\*Students must take 12 UoC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

*Information correct for students commencing the Bachelor of Advance Mathematics (Honours) in dual mode in 2019*

**General Education courses are not allowed in dual degree programs (GENxxxxx coded courses)**

**Progression check**      Student ID: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

\_\_\_ UOC Completed for science

\_\_\_ UOC Enrolled for science

\_\_\_ UOC Remaining for science