

# Bachelor of Advanced Mathematics (Honours)

## (3956) - [Handbook](#)

2023 Commencing Students  
Program Structure



### Single Degree Mode

PROGRAM STRUCTURE	An approved Major	96 UOC (16 courses)	144 UOC	192 UOC
	Science Electives			
	Honours	48 UOC (8 courses)		
	Free Electives	36 UOC (4 courses)	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 [Science Electives](#)

Science students cannot take GENS courses under any circumstance

### Dual Degree Mode

PROGRAM STRUCTURE	An approved Major	96 UOC	144 UOC	240 UOC (ADA / BUS)  288 UOC (LAW / ENG)
	Science Electives			
	Honours	48 UOC		
	Other Degree Courses	96 UOC (ADA or BUS) 144 UOC (LAW or ENG)		

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

Science

# Bachelor of Advanced Mathematics (Honours) (3956)

2023 Commencing Students

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Approved Major	Page
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<b>Applied Mathematics</b>	<a href="#">5-6</a>
<b>Pure Mathematics</b>	<a href="#">7-8</a>

Science

# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Single Degree – Major in Advanced Statistics ([MATHU1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
SCIF1131 (T1, T3)	MATH1241 (T1,T2)	6 UOC Free Elective	MATH2111 (T1)	MATH2601 (T2)	MATH2931 (T3)	MATH3901 (T1)	MATH3821 (T2)	6 UOC Any Level 3 Mathematics Course
MATH1141 (T1,T3)	6 UOC Level 1 Computer Science Elective	6 UOC Free Elective	6 UOC Science Elective	MATH2901 (T2)	6 UOC General Education	MATH3911 (T1)	6 UOC Mathematics level 3 (See Note 1)	
MATH1081 (T1,T2,T3)	6 UOC Free Elective		6 UOC Free Elective	MATH2221 (T2) OR MATH2621 (T3)		6UOC Free Elective	6 UOC General Education	

<b>NOTES</b>	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), MATH3856 (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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# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Double Degree – Major in Advanced Statistics ([MATHU1](#))

Choose from available proposed courses in each year

Year 1		
<b>SCIF1131</b> (T1, T3)	<b>MATH1241</b> (T1,T2)	Other Degree Course
<b>MATH1141</b> (T1,T3)	6 UOC Level 1 Computer Science Elective	Other Degree Course
<b>MATH1081</b> (T1,T2,T3)		Other Degree Course

Year 2		
<b>MATH2111</b> (T1)	<b>MATH2601</b> (T2)	<b>MATH2931</b> (T3)
6 UOC Science Elective	<b>MATH2901</b> (T2)	Other Degree Course
Other Degree Course	<b>MATH2221</b> (T2) OR <b>MATH2621</b> (T3)	

Year 3		
<b>MATH3901</b> (T1)	<b>MATH3821</b> (T2)	6 UOC Any Level 3 Mathematics Course
<b>MATH3911</b> (T1)	6 UOC Mathematics level 3 (See Note 1)	
Other Degree Course	Other Degree Course	Other Degree Course

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	

<b>NOTES</b>	<b>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</b>
	<b>Note 1: 6 UOC Mathematics level 3: MATH3831 (T2), MATH3841 (TBC), MATH3851 (T3), MATH3871 (T3), MATH3856 (T3)</b>
	<b>See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan. In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)</b>
	<b>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.</b>

# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Single Degree – Major in Applied Mathematics ([MATHA1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
SCIF1131 (T1, T3)	MATH1241 (T1,T2)	6 UOC Free Elective	MATH2111 (T1)	MATH2601 (T2)	MATH2621 (T3)	6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC from Level 3 Elective – List B (See Note 2)
MATH1141 (T1,T3)	6 UOC Level 1 Computer Science Elective	6 UOC Free Elective	MATH2301 (T1)	MATH2901 (T2)	6 UOC General Education	6 UOC Free Elective	6 UOC from Level 3 Elective – List B (See Note 2)	6 UOC General Education
MATH1081 (T1,T2,T3)	6 UOC Free Elective		6 UOC Free Elective	MATH2221 (T2)		6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC Free Elective	

<b>NOTES</b>	<b>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</b>
	<b>Note 1: 6 UOC Level 3 Elective List A: MATH3041 (T2), MATH3051 (T3)</b>
	<b>Note 2: 6 UOC Level 3 Elective List B: MATH3101, MATH3121, MATH3161, MATH3171, MATH3191, MATH3201, MATH3261, MATH3261, MATH3311, MATH3361, MATH3371, MATH6781</b>
	<b>See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.</b>
	<b>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.</b>

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# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Double Degree – Major in Applied Mathematics ([MATHA1](#))

Choose from available proposed courses in each year

Year 1		
SCIF1131 (T1, T3)	MATH1241 (T1,T2)	Other Degree Course
MATH1141 (T1,T3)	6 UOC Level 1 Computer Science Elective	Other Degree Course
MATH1081 (T1,T2,T3)		Other Degree Course

Year 2		
MATH2111 (T1)	MATH2601 (T2)	MATH2621 (T3)
MATH2301 (T1)	MATH2901 (T2)	Other Degree Course
	MATH2221 (T2)	Other Degree Course

Year 3		
6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC from Level 3 Elect ive – List B (See Note 2)
6 UOC from Level 3 Elective – List A (See Note 1)	6 UOC from Level 3 Elective – List B (See Note 2)	
Other Degree Course	Other Degree Course	Other Degree Course

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	

<b>NOTES</b>	<p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</p> <p>Note 1: 6 UOC Level 3 Elective List A: MATH3041 (T2), MATH3051 (T3)                  Note 2: 6 UOC Level 3 Elective List B: MATH3101, MATH3121, MATH3161, MATH3171, MATH3191, MATH3201, MATH3261, MATH3261, MATH3311, MATH3361, MATH3371, MATH6781</p>
	<p>See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.                  In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)                  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.</p>

# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Single Degree – Major in Pure Mathematics ([MATHP1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
SCIF1131 (T1, T3)	MATH1241 (T1,T2)	6 UOC Free Elective	MATH2111 (T1)	MATH2601 (T2)	MATH2621 (T3)	MATH3711 (T1)	MATH3611 (T2)	MATH3701 (T3)
MATH1141 (T1,T3)	6 UOC Level 1 Computer Science Elective	6 UOC Free Elective	6 UOC General Education	MATH2901 (T2)	MATH2701 (T3)	6 UOC Free Elective	6 UOC Any Level 3 Math course	6 UOC General Education
MATH1081 (T1,T2,T3)	6 UOC Free Elective		6 UOC Free Elective	MATH2221 (T2)		6 UOC Any Level 3 Math course	6 UOC Free Elective	

**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 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.

# Bachelor of Advanced Mathematics (Honours) (3956)



2023 Commencing Students – Double Degree – Major in Pure Mathematics ([MATHP1](#))

Choose from available proposed courses in each year

Year 1		
SCIF1131 (T1, T3)	MATH1241 (T1,T2)	Other Degree Course
MATH1141 (T1,T3)	6 UOC Level 1 Computer Science Elective	Other Degree Course
MATH1081 (T1,T2,T3)		Other Degree Course

Year 2		
MATH2111 (T1)	MATH2601 (T2)	MATH2621 (T3)
Other Degree Course	MATH2901 (T2)	MATH2701 (T3)
Other Degree Course	MATH2221 (T2)	

Year 3		
MATH3711 (T1)	MATH3611 (T2)	MATH3701 (T3)
6 UOC Any Level 3 Math course	6 UOC Any Level 3 Math course	
Other Degree Course	Other Degree Course	Other Degree Course

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	

<b>NOTES</b>	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 colour codes used in this progression plan.
	In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)
	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.