

Science

Bachelor of Advanced Mathematics (Honours) (3956)



2018 Commencing Students

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UNSW
SYDNEY

Science

Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)

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

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|-------------------|---|------------------------|---------------------------------|---------------------------------|----------------------|----------------------|---------------|
| SCIF1131 (S1, S2) | MATH1081 S1, S2, T1, T2, T3 | MATH1141 S1, T1, T3 | MATH1241 S2, T1, T2 | 6 UoC Stage 1 COMP#### | Free Elective | Free Elective | Free Elective |
| MATH2111 T1 | MATH2221 (T2) or MATH2621 (T3) T2 | 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 2018

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_S 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 (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) or MATH2621 (T3) T2 | 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 | | | | | | | |
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| | | | | | | | |

| 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 (S1, S2) | MATH1081 | MATH1141 | MATH1241 | 6 UoC Stage 1 COMP#### | Free Elective | Free Elective | Free Elective |
| | S1, S2, T1, T2, T3 | S1, T1, T3 | S2, T1, T2 | | | | |
| MATH2111 | MATH2221 | MATH2301 | MATH2601 | MATH2621 | MATH2901 | Free Elective | Free Elective |
| T1 | T2 | T1 | T2 | T3 | 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* | 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.

Stage 3 Electives:

MATH3041 (T2), MATH3101 (T3), MATH3121 (T1), MATH3161 (T1), MATH3201, (T2), MATH3261 (T1), MATH3311 (T2), 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 (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 | 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), MATH3201, (T2), MATH3261 (T1), MATH3311 (T2), 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)

| | |
|--------------------------|-------------------|
| Progression check | Student ID: _____ |
| Name: _____ | |
| Date: _____ | Advisor: _____ |

| |
|--------------------------------------|
| ____ UoC Completed for science |
| ____ UoC Enrolled for science |
| ____ UoC Remaining for science |



UNSW
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Science

Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)

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

| | | | | | | | |
|-------------------|--------------------------------|------------------------|---------------------------------|---------------------------------|----------------------|----------------------|---------------|
| SCIF1131 (S1, S2) | MATH1081 S1, S2, T1, T2, T3 | MATH1141 S1, T1, T3 | MATH1241 S2, T1, T2 | 6 UoC Stage 1 COMP#### | 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.

| | |
|--------------------------|-------------------|
| Progression check | 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_S 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 Remaining |
| (Including any enrolled courses) |



UNSW
SYDNEY

Science

Dual Degree – Bachelor of Advanced Mathematics (Honours)

with a major in **Pure Mathematics**

| | | | | | | | |
|-------------------|--------------------------------|------------------------|------------------------------------|------------------------------------|----------------|--|--|
| 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 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

_____ UOC Remaining

(Including any enrolled courses)

Information correct for students commencing the Bachelor of Advance Mathematics (Honours) in dual mode in 2018



UNSW
SYDNEY

Science

Single Degree – 3956 Bachelor of Advanced Mathematics (Honours)

with a major in **Quantitative Risk** (MATHR13781)

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|-------------------|----------|----------|----------|------------------------------|------------------------------|------------------------------|-------------------|
| SCIF1131 (S1, S2) | ACCT1501 | ECON1101 | FINS1613 | MATH1151 | MATH1251 | 6 UoC Level 1 Science Course | Free Elective |
| ACTL2111 | FINS2624 | MATH2111 | MATH2601 | MATH2881 | MATH2901 | MATH2931 | Free Elective |
| ACTL3162 | FINS3635 | MATH3901 | FINS3636 | 6 UoC Stage 3 Approved MATH* | 6 UoC Stage 3 Approved MATH* | General Education | General Education |

| Program Structure | | | |
|-------------------|-------------------------|------------|---------|
| Major | 114 UoC (19 courses) | 168 UoC | 192 UoC |
| SCIF1131 | 6 UoC (1 course) | | |
| Honours Year | 48 UoC | | |
| Free Electives | 12 UoC (2 courses) | 24 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.
Recommended Electives: COMP1911, FINS1612, MATH1081
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.

| | |
|--------------------------|-------------------|
| Progression check | 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_S 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 Remaining |
| (Including any enrolled courses) |



UNSW
SYDNEY

Science

Dual Degree – Bachelor of Advanced Mathematics (Honours)

with a major in **Quantitative Risk** (MATHR13781)

| | | | | | | | |
|-------------------|----------|----------|----------|------------------------------|------------------------------|------------------------------|--|
| SCIF1131 (S1, S2) | ACCT1501 | ECON1101 | FINS1613 | MATH1151 | MATH1251 | 6 UoC Level 1 Science Course | |
| ACTL2111 | FINS2624 | MATH2111 | MATH2601 | MATH2881 | MATH2901 | MATH2931 | |
| ACTL3162 | FINS3635 | MATH3901 | FINS3636 | 6 UoC Stage 3 Approved MATH* | 6 UoC Stage 3 Approved MATH* | | |

| Program Structure (Dual Degree Mode) | | | |
|--------------------------------------|-------------------------------------|---------|-------------|
| Major | 114 UoC (19 courses) | 168 UoC | 264-312 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.

Recommended Electives: COMP1911, FINS1612, MATH1081

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

| | |
|--------------------------|-------------------|
| Progression check | Student ID: _____ |
| Name: _____ | |
| Date: _____ | Advisor: _____ |

| |
|----------------------------------|
| _____ UOC Completed |
| _____ UOC Remaining |
| (Including any enrolled courses) |

Information correct for students commencing the Bachelor of Advanced Mathematics (Honours) in dual mode in 2018