

Sample Study Outline

Advanced Mathematics

Program / Degree: [3956 B. Advanced Mathematics \(Honours\)](#) with a major in Pure Mathematics

Year	Term 1	UOC	Term 2		Term 3
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- x All students in Advanced Mathematics must complete an Honours year of 48 UoC.
- x In addition to the courses required for your major, students must also take
- x 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.
- x 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.

- x Free Electives may be from Science or any other Faculty at UNSW.
 - x General Education courses cannot be Science courses, and Science students cannot take GENScourses 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.

Resources:

- x [UNSW Handbook](#)
- x [School of Mathematics and Statistics](#)
- x Co-

Sample Study Outline

Advanced Mathematics

Pg Dg MATH261 HCPn

(
MATH 1081 DMn
SCIF1131(S2)

		6	Fe	6	MATH2621 HCPn	6
		6	Fe	6	Ap	6
		6	MATH1241 HCPn	6	Fe	6
				6	SC COMP	6

TJOC

	18	TJOC	18	TJOC (Mn)	6(18)
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3rd

MATH3901 HCP & SPn
MATH3911 HCP

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Advanced Mathematics

Program / Degree: 3956 B. Advanced Mathematics (Honours)

				18		
2 nd	MATH2111 Higher Several Variable Calculus MATH2301 Mathematical Computing General Education Option	6 6 6	MATH2221 Higher Math Method for Des MATH2601 Higher Linear Algebra MATH2901 Higher Theory of Statistics	6 6 6	Industry Training 1	12
	Total UOC	18	Total UOC	18	Total UOC(nominal)	12
3 rd	Stage 3 Approved MATH (Note 3) Stage 3 Approved MATH (Note 3) Free Elective	6 6 6	Stage 3 Approved MATH (Note 1) Stage 3 Approved MATH (Note 2)			
4 th	Industry Training 2 -A	12	Industry Training 2 - B Industry Training 3 - A	12	Industry Training 3- B	12

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:

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

Note 3: Level 3 Elective: See Handbook

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Resources: