

Bachelor of Mathematics (Advanced)

To qualify for the award of the degree of Bachelor of Mathematics (Advanced) a student must satisfactorily complete at least 144 credit points from either or both the Mathematics Schedule and the General Schedule, including

1. each of the subjects

MATH110	MATH201	MATH212
CSCI114	MATH202	MATH222
	MATH203	STAT231
	MATH204	
2. at least one of the subjects MATH235 or STAT235,
3. at least one of the subjects MATH345 or STAT345,
4. no more than 60 credit points of 100 level subjects,
5. 300 and/or 400 level subjects in the Mathematics Schedule (MATH or STAT, INFO411, INFO412, INFO413) with a value of at least
 - (a) 36 credit points, or
 - (b) 24 credit points, should a major study in Computer Science be satisfactorily completed, or
 - (c) 30 credit points, should any other major study be satisfactorily completed,
6. within the above requirements, a major study in either Mathematics or Applied Statistics (see below).

Major study in Mathematics:

Mathematics Schedule (MATH/STAT, INFO411, INFO412, INFO413) subjects to the value of 48 credit points, of which at least 18 credit points must be at the 200 level and at least 24 credit points must be at the 300 and/or 400 level at a grade of Pass or better.

Major study in Applied Statistics:

Mathematics Schedule (MATH/STAT, INFO411, INFO412, INFO413) subjects to the value of 48 credit points, of which at least 18 credit points must be at the 200 level and must include STAT231 and STAT232, and at least 24 credit points must be for 300 level STAT subjects and/or INFO411 at a grade of Pass or better.

Note:

To remain enrolled in this degree, students must achieve an average of at least 75% each year. Otherwise, students will be transferred to the Bachelor of Mathematics degree.

Possible Majors and Specialisations

(See over for subjects required)

Specialisation Code *Major(s)*

MATH	Mathematics
STAT	Applied Statistics
MAST	Both Mathematics and Applied Statistics
MA01	Mathematics and Computer Science
ST01	Applied Statistics and Computer Science
MA02	Mathematics and Geography
ST02	Applied Statistics and Geography
MA03	Mathematics and Economics
ST03	Applied Statistics and Economics
MA04	Mathematics and Econometrics
ST04	Applied Statistics and Econometrics
MA05	Mathematics and Accountancy
ST05	Applied Statistics and Accountancy
MA06	Mathematics and Business Information Systems
ST06	Applied Statistics and Business Information Systems
MA07	Mathematics and Biological Sciences
ST07	Applied Statistics and Biological Sciences
MA08	Mathematics and Chemistry
ST08	Applied Statistics and Chemistry
MA09	Mathematics and Geology
ST09	Applied Statistics and Geology
MA10	Mathematics and Physics
ST10	Applied Statistics and Physics
MA12	Mathematics and Management
ST12	Applied Statistics and Management
MA13	Mathematics and Marketing
ST13	Applied Statistics and Marketing
MA14	Mathematics and Finance
ST14	Applied Statistics and Finance
MA15	Mathematics and Biomedical Sciences
ST15	Applied Statistics and Biomedical Sciences

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Suggested Programs

Industrial and Applied Mathematics

Specialisation Code: **MATH**

First Year	Second Year	Third Year
MATH110 MATH201 MATH203 MATH202 CSCI114 18 other credit points (possibly PHYS)	MATH204 MATH212 MATH222 STAT231 MATH235 18 other credit points	MATH302 MATH305 MATH312 MATH313/371 MATH317 MATH345 12 other credit points

Mathematical Analysis

Specialisation Code: **MATH**

First Year	Second Year	Third Year
MATH110 MATH201 MATH203 MATH202 CSCI114 18 other credit points	MATH204 MATH212 MATH222 STAT231 MATH235 18 other credit points	MATH302 MATH321 MATH323 MATH372/322/324 MATH345 INFO412 or 413 12 other credit points

Applied Statistics

Specialisation Code: **STAT**

First Year	Second Year	Third Year
MATH110 MATH201 MATH203 MATH202 CSCI114 18 other credit points	MATH204 MATH212 MATH222 STAT231 STAT232 STAT235 12 other credit points	STAT304 STAT332 STAT333 STAT335 STAT345 INFO411 12 other credit points (possibly MATH321)