

Master of Mathematical Sciences

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

1 Duration of program

Except with the permission of the Faculty, the Master of Mathematical Sciences shall be completed in a minimum of two semesters or a maximum of eight semesters.

2 Admission

2.1 Except as provided for in 2.2 below, a candidate for admission to the program of study for the Master of Mathematical Sciences shall:

a have qualified for the Honours degree of Bachelor of Mathematical and Computer Sciences or the Honours degree of Bachelor of Engineering or the Honours degree of Bachelor of Science in Mathematical Physics from the University of Adelaide, or a degree from another institution accepted for the purpose by the Faculty as equivalent

or

b have qualified for the degree of Bachelor of Engineering, Science or Applied Science from the University of Adelaide or a degree of another institution accepted for the purpose by the Faculty as equivalent. A person admitted under this sub-Rule will normally be required to satisfactorily complete sufficient work of Honours standard as is deemed necessary by the Faculty, in addition to satisfying the requirements of the Masters degree.

2.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for Master of Mathematical Sciences, a person who does not qualify for admission to the program under Rule 2.1 above, but who has given evidence satisfactory to the Faculty, of fitness to undertake work for the degree.

2.3 Preliminary work

2.3.1 A person whose qualifications have been accepted under 2.1(a) shall be deemed to have satisfied the requirements of this schedule.

2.3.2 A candidate admitted under either 2.1(b) or 2.2 shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such programs of study and/or other work as may in his or her case be prescribed by the Faculty. The purpose of this schedule is that the person should demonstrate the ability to perform at Honours standard.

2.4 Academic progress

If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

a pass such examination on the candidate's program of advanced study as may be required by the Faculty

and

b present a satisfactory dissertation and seminar presentation on the candidate's project.

3.2 Project work

Subject to such conditions as it may determine, the Faculty may permit project work to be undertaken outside the University provided that it can be satisfied:

a that this will result in mutual academic benefit to the candidate and the supervising school

b that there will be adequate contact and interaction between the candidate and the supervising school

and

c that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

3.3 Academic program

3.3.1 The program of study and project work to the value of at least 24 units shall consist of:

a supervised project work and seminar presentation from one of the following:

APP MTH 7109 Masters Applied Mathematics Project 9

PURE MTH 7109 Masters Pure Mathematics Project 9

STATS 7109 Masters Statistics Project 9

b courses chosen from the following list

Applied Mathematics

APP MTH 7048 Applied Mathematics Topic A.....	3
APP MTH 7045 Applied Mathematics Topic B.....	3
APP MTH 7044 Applied Mathematics Topic C.....	3
APP MTH 7049 Applied Mathematics Topic D.....	3
APP MTH 7087 Applied Mathematics Topic E.....	3
APP MTH 7088 Applied Mathematics Topic F.....	3
APP MTH 7054 System Modelling & Simulation.....	3

Mathematical Physics

PHYSICS 7004 Advanced Electromagnetism.....	3
PHYSICS 7008 Gauge Theory.....	3
PHYSICS 7009 General Relativity.....	3
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics.....	3
PHYSICS 7015 Statistical Mechanics/Many-Body Theory.....	3
PHYSICS 7024 Topics in Mathematical Physics A.....	3
PHYSICS 7025 Topics in Mathematical Physics B.....	3

Pure Mathematics

PURE MTH 7038 Pure Mathematics Topic A.....	3
PURE MTH 7002 Pure Mathematics Topic B.....	3
PURE MTH 7047 Pure Mathematics Topic C.....	3
PURE MTH 7023 Pure Mathematics Topic D.....	3
PURE MTH 7066 Pure Mathematics Topic E.....	3
PURE MTH 7067 Pure Mathematics Topic F.....	3

Statistics

STATS 7004 Statistics Topic A.....	3
STATS 7014 Statistics Topic B.....	3
STATS 7016 Statistics Topic C.....	3
STATS 7008 Statistics Topic D.....	3
STATS 7069 Statistics Topic E.....	3
STATS 7070 Statistics Topic F.....	3

- c other courses offered by the University of Adelaide or other tertiary institutions in South Australia which are accepted by the Faculty as being equivalent to those listed above.
- d Students may present other relevant courses or work, to the value of at most six units, as may be approved by the Faculty.

3.3.2 The availability of courses is conditional on the availability of staff and facilities and sufficient enrolments.

3.4 Unacceptable combination of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no course or portion of a course may be counted twice towards an award.

3.5 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award.

4 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.