

UNSW@ADFA

First-Year Mathematics Requirements

Students wishing to study **Mathematics, Physics, Oceanography, Chemistry, Engineering or a Bachelor of Technology** at UNSW@ADFA should have completed one of the following before they enrol.

A. Year-12 Mathematics to the minimum level (specified below) within five years prior to year of entry to UNSW@ADFA

Revision material is available for mature-aged students in this category wishing to brush up on their mathematical skills: contact the School of Physical, Environmental and Mathematical Sciences (see below) for details.

B. The Unilearn Mathematics course *Senior Mathematics*

This is a distance-education course. You are required to pass the exam administered by Unilearn. Students wishing to undertake this course should look at the Unilearn website www.unilearn.net.au and contact the School of Physical, Environmental and Mathematical Sciences (see below). The material for this course (can be bought separately) is also useful revision if you have not studied Mathematics for several years.

C. A Mathematics Bridging Course offered by a university or TAFE college

The course must be approved by the Head of the School of Physical, Environmental and Mathematical Sciences, and should bring the student up to the minimum level specified below. Many universities and TAFE colleges offer such courses, either as an intensive short-term course or as a course spread over a longer period. The latter is preferable, as it allows time to assimilate and practise the necessary mathematical skills.

Minimum Requirements for First-Year Mathematics

A good score in one of the following or a higher-level course.

ACT: Mathematical Methods (Major).

NSW: Mathematics (2-Unit Mathematics).

Queensland: Mathematics B.

SA/NT: Mathematical Studies.

Tasmania: Mathematical Methods 5C (TCE).

Victoria: Mathematical Methods 3 & 4.

WA: Calculus or Mathematics 3DMAT.

Mathematics Contacts at the School of Physical, Environmental and Mathematical Sciences

Associate Professor Harvi Sidhu (02) 6268 8820 h.sidhu@adfa.edu.au
Mathematics Coordinator

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Student Administrator

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First-Year Physics Requirements

Students wishing to study **Physics, Oceanography, Engineering or a Bachelor of Technology** at UNSW@ADFA should have completed one of the following before they enrol.

A. Year-12 Physics within five years prior to year of entry to UNSW@ADFA

B. The Unilearn Physics course

This is a distance-education course. You are required to pass the exam administered by Unilearn. Students wishing to undertake this course should look at the Unilearn website *www.unilearn.net.au* and contact the School of Physical, Environmental and Mathematical Sciences (see below). The material for this course (available separately) is also useful revision if you have not studied Physics for several years.

C. A Physics Bridging Course offered by a university or TAFE college

The course must be approved by the Head of the School of Physical, Environmental and Mathematical Sciences, and should bring the student up to Year-12 level.

First-Year Chemistry

There is no Chemistry Assumed Knowledge for entry to UNSW@ADFA. However, students wishing to study **Chemistry, Engineering or a Bachelor of Technology** will find having completed one of the following a distinct advantage.

A. Year-12 Chemistry within five years prior to year of entry to UNSW@ADFA

B. The Unilearn Chemistry course

This is a distance-education course. Students wishing to undertake this course should look at the Unilearn website *www.unilearn.net.au* and contact the School of Physical, Environmental and Mathematical Sciences (see below). The material for this course (available separately) is also useful revision if you have not studied Chemistry for several years.

C. A Chemistry Bridging Course offered by a university or TAFE college

Physics and Chemistry Contacts at the School of Physical, Environmental and Mathematical Sciences

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Associate Professor Grant Collins Chemistry	(02) 6268 8807	g.collins@adfa.edu.au
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