

# 2019 MAJOR – Applied Mathematics

(Qualifying Major for Bachelor of Arts)

Applied Mathematics focuses on the derivation, solution and evaluation of models of the real world. It brings together the rigour of classical mathematics with computational science underpinned by domain knowledge from the physical, biological and engineering sciences. Today's industries are increasingly seeking graduates with the core skills of modelling, the ability to solve problems, critical and analytical thinking, creativity, the ability to pose new question and to communicate effectively. A major in Applied Mathematics provides graduates with these skills, as well as providing a strong foundation for those who wish to progress to further study. Coupled with Macquarie's sector-unique PACE program, graduates with a major in Applied Mathematics will be sought after by employers across both the public and private sectors and recognised for their ability to contribute to the solution of the problems of the future.



**The table below is a suggested first session for students beginning in Session 2, 2019.** Please make your selection of units after reviewing the requirements of your award in the 2019 Handbook:

[www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Arts](http://www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Arts)

## Suggested First Session

### Session 2, 2019

Unit Code	Unit Name
MATH130* or MATH135*	Mathematics IE * Mathematics IA *
STAT170	Introductory Statistics
Elective	Choose an elective unit

- You must also meet the general requirements for the degree for which you will qualify.
- It may be possible to satisfy the requirements of your degree by taking a different selection of units in your first session from those suggested above.
  - \* The prerequisite for MATH135 is a band 4 (or higher) in HSC Mathematics (or equivalent interstate or overseas secondary school study). All students who do not meet this prerequisite should choose MATH130 followed by MATH135 in 2020.
- Consider what units you will want to study in second and third year. Prerequisite requirements for those units must be completed prior to enrolment in the higher-level unit.
- You must select a Professional and Community Engagement (PACE) unit as part of the elective component of your degree. It is important to plan ahead for this requirement and allocate elective space for your chosen PACE unit. A list of eligible units is available at [www.handbook.mq.edu.au/2019/Units/PACE](http://www.handbook.mq.edu.au/2019/Units/PACE).
- For a double major complete required units for both majors where possible in the first year. If considering a double major consult the criteria found at [www.handbook.mq.edu.au/2019/Majors](http://www.handbook.mq.edu.au/2019/Majors).
- You can receive specific program advice from the faculty at any stage in your degree by lodging a "Program Advice" enquiry via <http://ask.mq.edu.au>.

FIND OUT MORE  
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