

# 2019 MAJOR – Statistics

(Qualifying Major for Bachelor of Science)

Statistics as a discipline is the development and application of methods for collecting, analysing and interpreting data. It is the science of learning from data, or converting data into knowledge. Statistics is an essential tool for making informed decisions in all areas of business and government. Aims include: producing the "best" information from available data by reducing uncertainty in decision-making, and detecting patterns in the data, signing experiment and other data collection methods to help decision-making, by estimating the present and/or predicting the future. This major has a strong focus on the application of contemporary statistical methods and the use of the latest computational techniques. The development of relevant computing skills also forms an integral part of this major.



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

## Suggested First Session

### Session 2, 2019

Unit Code	Unit Name
STAT170	Introductory Statistics
ACSC100 or STAT175	Academic Communication in Science Gambling, Sport and Medicine
Elective	ISYS, COMP or MATH unit at 100 level
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.
- 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.
- 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).
- Although Mathematics and computing are not required in the Statistics major, some background knowledge is helpful. Bridging courses in mathematics are available and recommended for those without recent HSC study: [www.tinyurl.com/bridgingmq](http://www.tinyurl.com/bridgingmq).
- 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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