

# 2019 MAJOR – Data Science

(Qualifying Major for Bachelor of Science)

This major is for students who wish to pursue a career in Data Science. The growing use of computers and the Internet generates a deluge of data that conventional techniques are not capable of handling. Data science, which studies computational and statistical techniques to analyse "big data", is one of the key skills of the 21st century. The program emphasises extensive practical experience where significant problems are analysed, solutions designed, and software developed, both individually and in groups. Core units introduce database concepts and technologies, programming and problem solving skills, and statistics.



**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
ISYS114	Introduction to Database Design and Management
COMP115	Introduction to Computer Programming
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.
- 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.
- Bridging courses in mathematics are available and recommended for those without recent HSC study in mathematics, or for those who took General Mathematics: [www.tinyurl.com/bridgingmq](http://www.tinyurl.com/bridgingmq).
- 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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