

# 2018 MAJOR – Data Science

(Qualifying Major for Bachelor of Information Technology with the degree of Bachelor of Laws)

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 year program guide to support your enrolment.** Please make your selection of units after reviewing the requirements of your award in the 2018 Handbook:

[www.handbook.mq.edu.au/2018/DegreesDiplomas/Degree/Bachelor+of+Information+Technology+with+the+degree+of+Bachelor+of+Laws](http://www.handbook.mq.edu.au/2018/DegreesDiplomas/Degree/Bachelor+of+Information+Technology+with+the+degree+of+Bachelor+of+Laws)

Suggested First Year			
Session 1, 2018		Session 2, 2018	
Unit Code	Unit Name	Unit Code	Unit Name
LAW115	Foundations of Law	LAW109	Criminal Justice
COMP115	Introduction to Computer Programming	LAWS108	Law, Lawyers and Society
STAT170 or STAT171	Introductory Statistics Statistical Data Analysis	LAWS104	Contracts
Elective	Choose a People or Planet unit	ISYS114	Introduction to Database Design and Management

- 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 year 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.
- All students must complete one People unit and one Planet unit. Criteria and available units can be viewed at [www.handbook.mq.edu.au/2018/Units/Planet](http://www.handbook.mq.edu.au/2018/Units/Planet) and [www.handbook.mq.edu.au/2018/Units/People](http://www.handbook.mq.edu.au/2018/Units/People).
- 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>.



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