

BIG DATA, MAJOR (0144)

Western Sydney University Major Code: 0144

Previous Code: M3098.1

Available to students in other Western Sydney University

Programs: Yes. Check that your program has the available credit points required to complete the subjects in this field of study. Any requisite requirements must also be met. Consult your Program Advisor for further advice.

This major covers theories and technologies of big data with applications to information systems. Students completing this major will possess and apply the technical skills for managing large volumes and varieties of data in the information systems context.

Location

Campus	Mode	Advice
Parramatta Campus - Victoria Road	Internal	Dr Ana Hol (a.hol@westernsydney.edu.au)
Sydney City Campus*	Internal	Antoinette Cevenini (a.cevenini@city.westernsydney.edu.au)

* Curriculum delivered through an agreement with another party

Major Structure

Students must complete eight subjects as follows:

Subject	Title	Credit Points
COMP 3002	Applications of Big Data	10
INFS 3006	Emerging Trends in Information Systems	10
INFS 1002	Information Systems in Context	10
COMP 2025	Introduction to Data Science	10
COMP 1005	Programming Fundamentals	10
MATH 1030	Statistics for Business	10
COMP 3020	Social Web Analytics	10
COMP 2026	Visual Analytics	10
Total Credit Points		80

Equivalent Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2021 or earlier.

MATH 2009 Introduction to Data Science, replaced by COMP 2025 Introduction to Data Science

MATH 2014 Visual Analytics, replaced by COMP 2026 Visual Analytics

Related Programs

Bachelor of Information Systems (3687) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-systems/>)

Bachelor of Information Systems Advanced (3688) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-systems-advanced/>)

Diploma in Information and Communications Technology / Bachelor of Information Systems (6040) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/diploma-information-communications-technology-bachelor-information-systems/>)