

BIG DATA, MAJOR

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) |

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 (<https://hbook.westernsydney.edu.au/programs/bachelor-information-systems/>)

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

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