INFORMATION SYSTEMS ANALYTICS, MAJOR (0166)

Western Sydney University Major Code: 0166

Previous Code: M3101.1

Available to students in other Western Sydney University Programs: Yes, however the following restrictions apply.

This major is not available to students enrolled in ~~in 3639~~Bachelor of Information and Communications (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/)Technology, ~~Technology, 3684~~ Bachelor of Information and Communications (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/)Technology (Advanced), ~~Technology (Advanced), 3687~~Bachelor of Information Systems (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems/) or ~~3688~~ Bachelor of Information Systems (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems-advanced/)Advanced.

By completing Information Systems Analytics major you will gain cutting edge skills that will give you knowledge in how to assess and analyse currently available business data, make sense of it and based on the analysis select the most optimum business strategy. To achieve this within this major you will also learn about the complexities of Information Systems implementations, the components that make up the information systems, types of information systems and their nature of interactions. Furthermore, this major will give you cutting edge knowledge in how to best understand the complex relationships between business requirements and specific Information System technologies.

Location

Campus	Mode	Advice
Parramatta Campus - Victoria Road	Internal	Dr Ana Hol (https://directory.westernsydney.ed search/email/ a.hol@westernsydney.edu.

Major Structure

The structure below applies to students who commenced in Spring 2025. If you commenced prior to Spring 2025 please refer to the Structure Spring 2016 - Autumn 2025 tab for details.

This major is not available to students enrolled in Bachelor of Information and Communications Technology (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/), Bachelor of Information and Communications Technology (Advanced) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/), Bachelor of Information Systems (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems/) or Bachelor of Information Systems Advanced (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems-advanced/).

Students must complete 80 credit points as follows.

Subject	Title	Credit Points
COMP 1005	Programming Fundamentals	10
INFS 2013	Systems Analysis and Design	10
INFS 1016	Digital Transformation	10
INFS 2001	Database Design and Development	10
INFS 2012	Digital Technologies and Security	10
COMP 3020	Social Web Analytics	10
INFS 3006	Emerging Trends in Information Systems	10
INFS 3027	Social Computing and Systems Thinking	10
Total Credit Points		**80**

Major Structure

If you commenced in Spring 2025 or later please refer to the Structure Current tab for details.

This major is not available to students enrolled in Bachelor of Information and Communications Technology (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/), Bachelor of Information and Communications Technology (Advanced) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/), Bachelor of Information Systems (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems/) or Bachelor of Information Systems Advanced (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems-advanced/).

Students must complete 80 credit points as follows.

Subject	Title	Credit Points
COMP 1005	Programming Fundamentals	10
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
INFS 1002	Information Systems in Context	10
INFS 2001	Database Design and Development	10
COMP 2020	Technologies for Web Applications	10
COMP 3020	Social Web Analytics	10
INFS 3006	Emerging Trends in Information Systems	10
INFO 3011	Social Computing	10
Total Credit Points		**80**

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

- INFS 1006 Systems Analysis and Design, replaced by INFS 2013 Systems Analysis and Design

Related Programs

Bachelor of Business (2786) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-business/)

Diploma in Business/Bachelor of Business (6037) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-business-bachelor-business/)