

MATHEMATICS, MINOR (0059)

Western Sydney University Minor Code: 0059

Previous Code: SM3025.1

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 minor applies to students who commenced in 2022 or later.

Students should follow the minor structure for the session start date relevant to the year they commenced.

For Commencement Year 2021 or earlier, please refer to: SM3025 Mathematics (<https://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=SM3025.1>)

Employers these days set a lot of store by mathematical skills, even for jobs that may not sound at all like “maths”, such as certain marketing jobs. Having some background in mathematical thinking can make the difference between being stumped by a problem and seeing a solution. No matter what your area of study is, this minor gives you the opportunity to use some of the elective space in your program to pick up additional skills that will be useful throughout your career. Prospective teachers can tailor this minor to meet the NESA requirements for “Mathematics” as additional teaching area.

Location

Campus	Mode	Advice
Campbelltown Campus	Internal	CDMS@westernsydney.edu.au
Parramatta Campus - Victoria Road	Internal	CDMS@westernsydney.edu.au

Minor Structure

Students in Bachelor of Data Science

Some subjects in the minor are the same as the core subjects. Students in this program are advised to select subjects other than those in the program core to complete the required credit points for the program.

To complete this minor, students **MUST** choose subjects from this list that are not included in their program core

Subject list

Subject	Title	Credit Points
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Students must complete a total of four subjects at Levels 1, 2, and 3, taking into account any prerequisite requirements of individual subjects.

Level 1		
MATH 1014	Mathematics 1A	
MATH 1015	Mathematics 1B	
MATH 1006	Discrete Mathematics	
MATH 1028	Statistical Decision Making	
Level 2		
MATH 2001	Advanced Calculus	
MATH 2003	Differential Equations	

MATH 2010	Linear Algebra
COMP 2023	Mathematical Programming
Level 3	
MATH 3006	Mathematical Modelling
MATH 3003	Analysis
MATH 3015	Groups and Symmetry
MATH 3013	Fields and Equations
MATH 3012	Combinatorics

Total Credit Points 40

Related Programs

Bachelor of Arts (Pathway to Teaching Secondary) (1652) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-arts-pathway-teaching-secondary/>)

Bachelor of Arts (Pathway to Teaching Secondary) Dean's Scholars (1823) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-arts-pathway-teaching-secondary-deans-scholars/>)

Bachelor of Data Science (3769) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-data-science/>)

Bachelor of Information and Communications Technology (3639) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/>)

Bachelor of Information and Communications Technology (Advanced) (3684) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/>)

Diploma in Arts/Bachelor of Arts (Pathway to Teaching Secondary) (6021) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-arts-bachelor-arts-pathway-teaching-secondary/>)

Diploma/Bachelor of Information and Communications Technology (6039) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-bachelor-information-communications-technology/>)

Diploma in Information and Communications Technology / Bachelor of Information Systems (6040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-information-communications-technology-bachelor-information-systems/>)