SECONDARY MATHEMATICS EDUCATION, MAJOR (0350)

Effective from: Spring 2024
Western Sydney University Major Code: 0350

Available to students in other Western Sydney University programs?
No

The Secondary Mathematics Education Major provides students with 60 credit points of Mathematics discipline knowledge and 20 credit points of Mathematics pedagogy and curriculum knowledge. Together with completion of subjects in the Bachelor of Education (Secondary), this Major enables students to graduate from the Bachelor of Education (Secondary) with the Mathematics teaching area. The Secondary Mathematics Education Major will span the Foundation and Development phases of the Bachelor of Education (Secondary), enabling students to develop strong pedagogical content knowledge, an understanding of evidence-based pedagogies, and skills in using assessment and feedback to guide and enhance student learning.

Location

Campus	Mode	Advice
Parramatta Campus - Victoria Road	Internal	SecondaryEnquiries@westernsydney.edu.au
Penrith Campus	Internal	SecondaryEnquiries@westernsydney.edu.au

Major Structure

- ***Please note: Subjects that are part of the majors are subject to availability. Students may need to travel to different campuses to complete some of these subjects.***

Higher level mathematics subjects have specific pre-requisites, please plan your program progression to meet these pre-requisites. Seek program advice if needed.

Students must successfully complete 80 credit points as follows.

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
MATH 1006	Discrete Mathematics	10
	Credit Points	**10**
Spring session		
MATH 1014	Mathematics 1A	10
	Credit Points	**10**
Year 2		
Autumn session		
Select one Alternate subject (from the pool of subjects listed below)		10
	Credit Points	**10**
Spring session		
Select one Alternate subject (from the pool of subjects listed below)		10
Select one Alternate subject (Level 3) (from the pool of subjects listed below)		10
	Credit Points	**20**
Year 3		
Autumn session		
Select one Alternate subject (Level 3) (from the pool of subjects listed below)		10
	Credit Points	**10**
Spring session		
TEAC 3056	Mathematics Curriculum 7-10	10
	Credit Points	**10**
Year 4		
Autumn session		
TEAC 4022	Mathematics Curriculum 11-12	10
	Credit Points	**10**
	Total Credit Points	**80**

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
MATH 1014	Mathematics 1A	10
	Credit Points	**10**
Autumn session		
MATH 1006	Discrete Mathematics	10
	Credit Points	**10**
Year 2		
Spring session		
Select two Alternate subjects (from the pool of subjects listed below)		20
	Credit Points	**20**
Autumn session		
Select one Alternate subject (Level 3) (from the pool of subjects listed below)		10
	Credit Points	**10**
Year 3		
Spring session		
TEAC 3056	Mathematics Curriculum 7-10	10
	Credit Points	**10**
Autumn session		
Select one Alternate subject (Level 3) (from the pool of subjects listed below)		10
	Credit Points	**10**
Year 4		
Autumn session		
TEAC 4022	Mathematics Curriculum 11-12	10
	Credit Points	**10**
	Total Credit Points	**80**

Alternate Subjects

Students complete four of the following subjects, with at least two subjects at Level 3.

Subject	Title	Credit Points
Level 1 Subjects		
MATH 1015	Mathematics 1B	10
Level 2 Subjects		
MATH 2001	Advanced Calculus	10

MATH 2003	Differential Equations	10
MATH 2010	Linear Algebra	10
Level 3 Subjects		
MATH 3003	Analysis	10
MATH 3006	Mathematical Modelling	10
MATH 3012	Combinatorics	10
MATH 3015	Groups and Symmetry	10
MATH 3013	Fields and Equations	10

Related Programs

Bachelor of Education (Secondary) (1939) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-education-secondary/)