

SECONDARY MATHEMATICS/ PHYSICS EDUCATION, MAJOR (0365)

Effective from: Autumn 2025

Western Sydney University Major Code: 0365

Available to students in other Western Sydney University programs?

No

The Secondary Mathematics/Physics Education Major will provide students with 40 credit points of Mathematics discipline knowledge, 40 credit points of Physics discipline knowledge, and 40 credit points of Mathematics and Science pedagogy and curriculum knowledge. Together with completion of subjects in the Bachelor of Education (Secondary), this Major will enable students to meet requirements to graduate from the Bachelor of Education (Secondary) with the Mathematics/Physics teaching area. Students completing this 120cp major will not have 40cp of electives in the Bachelor of Education (Secondary) program. The Secondary Mathematics/Physics 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

Major Structure

- Note: Students may need to travel to different campuses depending on subject availability and campus offerings.**

Students must successfully complete 120 credit points as follows.

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
MATH 1014	Mathematics 1A	10
PHYS 1002	Physics 1	10
	Credit Points	20
Spring session		
MATH 1015	Mathematics 1B	10
PHYS 1006	Physics 2	10
	Credit Points	20
Year 2		
Autumn session		
MATH 2001	Advanced Calculus	10
MATH 2010	Linear Algebra	10
	Credit Points	20
Spring session		
PHYS 3007	Quantum Physics	10
	Credit Points	10

Year 3

Autumn session

PHYS 3006	Classical Physics	10
	Credit Points	10
Spring session		
TEAC 3056	Mathematics Curriculum 7-10	10
TEAC 3058	Science Curriculum 7-10	10
	Credit Points	20

Year 4

Autumn session

TEAC 4022	Mathematics Curriculum 11-12	10
TEAC 4028	Physics Curriculum 11-12	10
	Credit Points	20
	Total Credit Points	120

Mid-year intake

Students who commence in the program mid-year who wish to complete this major will need to contact the Academic Program Advisor for advice on major structure sequencing to meet subject prerequisites due to subject offer patterns.

Related Programs

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