SECONDARY TEACHING, TESTAMUR MAJOR (T119)

Western Sydney University Major Code: T119

Previous Code: MT3041.1

Available to students in other Western Sydney University programs?
No

There is a high demand for mathematics teachers throughout Australia, with Western Sydney identified as a particular high-demand location by the NSW Department of Education. Building on the Bachelor of Mathematics, this major equips graduates with additional knowledge and skills in contemporary educational concepts. After completing the Bachelor of Mathematics (Secondary Education), graduates can enrol in a postgraduate course to become accredited teachers. The core subjects of the Bachelor of Mathematics meet the NESA requirements for Mathematics as a first teaching area, and students can choose elective subjects to qualify for another teaching area to gain additional options for employment.

Location

Campus	Mode	Advice
Campbelltown Campus	Internal	A/Professor Volker Gebhardt (https://directory.westernsydney.ed search/email/v.gebhardt@westernsydney.edu.au)
Parramatta Campus - Victoria Road	Internal	A/Professor Volker Gebhardt (https://directory.westernsydney.edu.au/search/email/v.gebhardt@westernsydney.edu.au)
Penrith Campus	Internal	A/Professor Volker Gebhardt (https://directory.westernsydney.edu.au/search/email/v.gebhardt@westernsydne

Major Structure

All students must complete Education Studies, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/education-studies-minor/) plus four subjects from one of the alternate pools.

A minimum of 30 credit points at Level 3 is required across all Secondary Teaching major subjects.

Note: The core subjects of 3778 Bachelor of Mathematics meet the NESA requirements for Mathematics as a first teaching area.

Subject	Title	Credit Points
Students may choose four subjects from the following alternate pools		**40**
Mathematics/Physics		
PHYS 1002	Physics 1	
PHYS 1006	Physics 2	
PHYS 2005		
PHYS 3007	Quantum Physics	
PHYS 3006	Classical Physics	

Note: In combination with the core subjects of 3778 Bachelor of Mathematics, completing four units from this pool meets the NESA requirements for Mathematics/Physics as a first teaching area.

Equivalent Subjects:

The subjects listed below count towards completion of this major for students who passed these subjects in 2020 or earlier.

CHEM 2003 Classical Physics and Advanced Technologies replaced by PHYS 2005 Classical Physics and Advanced Technologies

CHEM 3016 Quantum Physics replaced by PHYS 3007 Quantum Physics

Information Processes and Technology		
INFS 2001	Database Design and Development	
COMP 2004	Computer Networking	
COMP 3007	Computer Networks and Internets	
COMP 3023	Systems and Network Management	
COMP 2014	Object Oriented Programming	
COMP 2008	Computer Organisation	
COMP 3011	Internet Programming	

Note: Completing four subjects from this pool meets the NESA requirements for Information Processes and Technologies as an additional teaching area.

Software Design and Development		
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	
INFS 2006	Object Oriented Analysis	
COMP 2014	Object Oriented Programming	
COMP 2008	Computer Organisation	
COMP 3011	Internet Programming	
COMP 3015	Operating Systems Programming	
COMP 3013	Mobile Applications Development	

Note: Completing four subjects from this pool meets the NESA requirements for Software Design and Development as an additional teaching area.

Total Credit Points	**40**

Replaced Subjects

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

Recommended Sequence
Full-time

Course	Title	Credit Points
Year 1		
Spring session		
Two subjects from Secondary Teaching major		20
Credit Points		**20**
Year 2		
Autumn session		
One subject from Secondary Teaching major		10
Credit Points		**10**

Spring session

One subject from Secondary Teaching major		10
Credit Points		**10**

Year 3

Autumn session

Two subjects from Secondary Teaching major		20
Credit Points		**20**

Spring session

Two subjects from Secondary Teaching major		20
Credit Points		**20**
Total Credit Points		**80**

Part-time

Course	Title	Credit Points
Year 1		
Spring session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Year 2		
Spring session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Year 4		
Autumn session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Spring session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Year 5		
Autumn session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Spring session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Year 6		
Autumn session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Spring session		
One subject from Secondary Teaching major		10
Credit Points		**10**
Total Credit Points		**80**

Related Programs

Bachelor of Mathematics (3778) (https://
hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-
mathematics/)