

# STEM, TESTAMUR MAJOR (T135)

Western Sydney University Major Code: T135

Available to students in other Western Sydney University programs?

No

The Master of Education, STEM testamur major is designed for teachers seeking to enhance their knowledge in science, technology, engineering and mathematics, and their capacity to plan, deliver and evaluate effectively integrated STEM learning experiences. Students will develop specialised skills to enable them to critically analyse, reflect on and synthesise multi-disciplinary approaches to STEM teaching, drawing on appropriate theoretical knowledge, allowing them to plan and deliver exemplary practice in STEM teaching. Students will also gain the skills required to be STEM leaders in schools, developing, enacting and evaluating interdisciplinary curriculum reform for the future.

## Location

Campus	Attendance	Mode	Advice
Online		Online	Course Advice ( <a href="https://hbook.westernsydney.edu.au">https://hbook.westernsydney.edu.au</a> <a href="mailto:PGSpecialistACA@westernsydney.edu.au">Mailto:PGSpecialistACA@westernsydney.edu.au</a> )

## Major Structure

Students will select from the major subjects that are on offer in any given semester. Major subjects can be studied in any order.

Students must successfully complete 40 credit points as listed below.

Subject	Title	Credit Points
TEAC 7121	STEM foundations	10
TEAC 7018	Computational Thinking across the STEM Curriculum	10
Select two of the following		20
TEAC 7065	Leading Mathematics in the Primary School	
TEAC 7011	Assessment and Intervention for Mathematics and Numeracy Learning	
TEAC 7074	Mathematics for Contemporary Learners	
TEAC 7002	Addressing Diversity in Mathematics Teaching and Learning	
TEAC 7122	Science for Contemporary Learners	
TEAC 7012	Assessment and Intervention for Science Learning	
TEAC 7120	STEM Pedagogies in Practice	
TEAC 7152	Applied Robotics and Programming in Secondary STEM Education	
TEAC 7151	Applied Mathematics and Science in Secondary STEM Education	
<b>Total Credit Points</b>		<b>40</b>

Master of Education (1911) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-education/>)