

SECONDARY SOFTWARE ENGINEERING EDUCATION, MAJOR (0378)

Effective from: Autumn 2025

Western Sydney University Major Code: 0378

Available to students in other Western Sydney University programs?
No

The Secondary Software Engineering Education Major will provide students with 60 credit points of Software Engineering discipline knowledge and 20 credit points of Technology 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 Software Engineering teaching area (formerly Software Design & Development). The Secondary Software Engineering 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

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

Students must successfully complete 80 credit points as follows.

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
Credit Points		10
Spring session		
COMP 2014	Object Oriented Programming	10
Credit Points		10
Year 2		
Autumn session		
COMP 2021	Software Engineering Fundamentals	10
Credit Points		10
Spring session		
COMP 3028	Software Construction	10
Credit Points		10
Year 3		
Autumn session		
COMP 2009	Data Structures and Algorithms	10
Select one Alternate subject (from the pool of alternate subjects listed below)		10
Credit Points		20

Spring session

TEAC 3060	Technological & Applied Studies Curriculum 7-10	10
Credit Points		10

Year 4

Autumn session

TEAC 4032	Computing & Software Technology Curriculum 11-12	10
Credit Points		10
Total Credit Points		80

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
COMP 1005	Programming Fundamentals	10
Credit Points		10
Autumn session		
COMP 2021	Software Engineering Fundamentals	10
Credit Points		10
Year 2		
Spring session		
COMP 2014	Object Oriented Programming	10
COMP 3028	Software Construction	10
Credit Points		20
Autumn session		
COMP 2009	Data Structures and Algorithms	10
Credit Points		10
Year 3		
Spring session		
TEAC 3060	Technological & Applied Studies Curriculum 7-10	10
Credit Points		10
Autumn session		
Select one Alternate subject (from the pool of alternate subjects listed below)		10
Credit Points		10
Year 4		
Autumn session		
TEAC 4032	Computing & Software Technology Curriculum 11-12	10
Credit Points		10
Total Credit Points		80

Alternate Subjects

Students complete one of the following subjects.

Subject	Title	Credit Points
COMP 3015	Operating Systems Programming	10
COMP 3013	Mobile Applications Development	10
COMP 3036	Full Stack Development	10

Related Programs

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