

# 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	Credit Points
Parramatta Campus - Victoria Road	Internal	SecondaryEnquiries@westernsydney.edu.au	10
Penrith Campus	Internal	SecondaryEnquiries@westernsydney.edu.au	10

## 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
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
	<b>Credit Points</b>	<b>10</b>
<b>Spring session</b>		
COMP 2014	Object Oriented Programming	10
	<b>Credit Points</b>	<b>10</b>
<b>Year 2</b>		
<b>Autumn session</b>		
COMP 2028	Software Construction	10
	<b>Credit Points</b>	<b>10</b>
<b>Year 3</b>		
<b>Autumn session</b>		
COMP 2009	Data Structures and Algorithms	10
	<b>Credit Points</b>	<b>10</b>
<b>Year 4</b>		
<b>Autumn session</b>		
TEAC 3060	Technological & Applied Studies Curriculum 7-10	10
	<b>Credit Points</b>	<b>10</b>
<b>Total Credit Points</b>		<b>80</b>

### Spring session

TEAC 3060	Technological & Applied Studies Curriculum 7-10	10
	<b>Credit Points</b>	<b>10</b>

### Year 4

#### Autumn session

TEAC 4032	Computing & Software Technology Curriculum 11-12	10
	<b>Credit Points</b>	<b>10</b>

### Total Credit Points

	<b>80</b>
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### Mid-year intake

Course	Title	Credit Points
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### Year 1

<b>Spring session</b>		
COMP 1005	Programming Fundamentals	10
	<b>Credit Points</b>	<b>10</b>

### Autumn session

COMP 2021	Software Engineering Fundamentals	10
	<b>Credit Points</b>	<b>10</b>

### Year 2

<b>Spring session</b>		
COMP 2014	Object Oriented Programming	10
	<b>Credit Points</b>	<b>10</b>

### Autumn session

COMP 3028	Data Structures and Algorithms	10
	<b>Credit Points</b>	<b>10</b>

### Year 3

<b>Spring session</b>		
TEAC 3060	Technological & Applied Studies Curriculum 7-10	10
	<b>Credit Points</b>	<b>10</b>

### Autumn session

Select one Alternate subject (from the pool of alternate subjects listed below)	10
	<b>Credit Points</b>

### Year 4

<b>Autumn session</b>		
TEAC 4032	Computing & Software Technology Curriculum 11-12	10
	<b>Credit Points</b>	<b>10</b>

### 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/archives/2024-2025/programs/bachelor-education-secondary/>)