

SECONDARY EARTH & ENVIRONMENTAL SCIENCE EDUCATION, MAJOR (0375)

Effective from: Autumn 2025

Western Sydney University Major Code: 0375

Available to students in other Western Sydney University programs?
No

The Secondary Earth & Environmental Science Education Major will provide students with 60 credit points of Earth & Environmental Science discipline knowledge and 20 credit points of Earth & Environmental 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 Earth & Environmental Science teaching area. The Secondary Earth & Environmental Science 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
Hawkesbury 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		
BIOS 1001	Biodiversity	10
Credit Points		10
Spring session		
ENVL 1004	Introduction to Environmental Science	10
Credit Points		10
Year 2		
Autumn session		
Select one Alternate subject (from the pool of alternate subjects listed below)		10
Credit Points		10
Spring session		
Select two Alternate subjects (from the pool of alternate subjects listed below)		20
Credit Points		20
Year 3		
Autumn session		
Select one Alternate subject (from the pool of alternate subjects listed below)		10
Credit Points		10

Spring session		
TEAC 3058	Science Curriculum 7-10	10
Credit Points		10
Year 4		
Autumn session		
TEAC 4034	Earth & Environmental Science Curriculum 11-12	10
Credit Points		10
Total Credit Points		80

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
ENVL 1004	Introduction to Environmental Science	10
Credit Points		10
Autumn session		
BIOS 1001	Biodiversity	10
Credit Points		10
Year 2		
Spring session		
Select two Alternate subjects (from the pool of alternate subjects listed below)		20
Credit Points		20
Autumn session		
Select one Alternate subject (from the pool of alternate subjects listed below)		10
Credit Points		10
Year 3		
Spring session		
TEAC 3058	Science 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 4034	Earth & Environmental Science Curriculum 11-12	10
Credit Points		10
Total Credit Points		80

Alternate Subjects

Students complete four of the following subjects, with no less than 2 subjects at Level 3:

Subject	Title	Credit Points
Level 1 Subjects		
BIOS 1027	Management of Aquatic Environments	10
Level 2 Subject		
EART 2001	Climate Change Science	10
EART 2004	Soils and Substrates	10
ENVL 2007	Environmental Monitoring and Assessment	10
NATS 2042	Science Research Methods	10
Level 3 Subjects		

BIOS 3039	Ecology	10
EART 3006	Science of the Anthropocene	10
AGRI 3007	Water in the Landscape	10
EART 3007	Land Degradation and Contamination	10

Related Programs

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