

# SECONDARY BIOLOGY EDUCATION, MAJOR (0348)

Effective from: Spring 2024  
Western Sydney University Major Code: 0348

Available to students in other Western Sydney University programs?  
No

The Secondary Biology Education Major will provide students with 60 credit points of Biology discipline knowledge and 20 credit points of Biology 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 Biology teaching area. The Secondary Biology 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 |

## Major Structure

- *Please note: Subjects that are part of the majors are subject to availability. Students may need to travel to different campuses to complete some of these subjects.*

Students must successfully complete 80 credit points as follows.

### Start-year intake

| Course                | Title                            | Credit Points |
|-----------------------|----------------------------------|---------------|
| <b>Year 1</b>         |                                  |               |
| <b>Autumn session</b> |                                  |               |
| BIOS 1001             | Biodiversity                     | 10            |
| <b>Credit Points</b>  |                                  | <b>10</b>     |
| <b>Spring session</b> |                                  |               |
| BIOS 1012             | Cell Biology                     | 10            |
| <b>Credit Points</b>  |                                  | <b>10</b>     |
| <b>Year 2</b>         |                                  |               |
| <b>Autumn session</b> |                                  |               |
| BIOS 2042             | Biochemistry                     | 10            |
| <b>Credit Points</b>  |                                  | <b>10</b>     |
| <b>Spring session</b> |                                  |               |
| BIOS 2006             | Comparative Physiology           | 10            |
| BIOS 3034             | Molecular Biotechnology          | 10            |
| <b>Credit Points</b>  |                                  | <b>20</b>     |
| <b>Year 3</b>         |                                  |               |
| <b>Autumn session</b> |                                  |               |
| BIOS 3014             | Genes, Genomics and Human Health | 10            |
| <b>Credit Points</b>  |                                  | <b>10</b>     |
| <b>Spring session</b> |                                  |               |
| TEAC 3058             | Science Curriculum 7-10          | 10            |
| <b>Credit Points</b>  |                                  | <b>10</b>     |

|                            |                          |           |
|----------------------------|--------------------------|-----------|
| <b>Year 4</b>              |                          |           |
| <b>Autumn session</b>      |                          |           |
| TEAC 4024                  | Biology Curriculum 11-12 | 10        |
| <b>Credit Points</b>       |                          | <b>10</b> |
| <b>Total Credit Points</b> |                          | <b>80</b> |

### Mid-year intake

| Course                     | Title                            | Credit Points |
|----------------------------|----------------------------------|---------------|
| <b>Year 1</b>              |                                  |               |
| <b>Spring session</b>      |                                  |               |
| BIOS 1012                  | Cell Biology                     | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Autumn session</b>      |                                  |               |
| BIOS 1001                  | Biodiversity                     | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Year 2</b>              |                                  |               |
| <b>Spring session</b>      |                                  |               |
| BIOS 2006                  | Comparative Physiology           | 10            |
| BIOS 3034                  | Molecular Biotechnology          | 10            |
| <b>Credit Points</b>       |                                  | <b>20</b>     |
| <b>Autumn session</b>      |                                  |               |
| BIOS 2042                  | Biochemistry                     | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Year 3</b>              |                                  |               |
| <b>Spring session</b>      |                                  |               |
| TEAC 3058                  | Science Curriculum 7-10          | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Autumn session</b>      |                                  |               |
| BIOS 3014                  | Genes, Genomics and Human Health | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Year 4</b>              |                                  |               |
| <b>Autumn session</b>      |                                  |               |
| TEAC 4024                  | Biology Curriculum 11-12         | 10            |
| <b>Credit Points</b>       |                                  | <b>10</b>     |
| <b>Total Credit Points</b> |                                  | <b>80</b>     |

## Related Programs

Bachelor of Education (Secondary) (1939) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-education-secondary/>)