

CELL AND MOLECULAR BIOLOGY, MAJOR (0167)

Western Sydney University Major Code: 0167

Previous Code: M4007.1

Available to students in other Western Sydney University programs?

No

New discoveries in cell and molecular biology can translate into viable products in emerging biotech industries. This major will equip business students with knowledge and skills in fundamental biology and chemistry, biochemistry and molecular biology which will assist them in turning new findings in cell and molecular biology into productive business ventures. As knowledge and technologies expand in this area, the ability to read, critique and evaluate emerging research will be an important asset.

Location

| Campus | Mode | Advice |
|-----------------------------------|----------|---|
| Campbelltown Campus | Internal | Dr Sebastian Holmes (https://directory.westernsydney.edu.au/search/email/s.holmes@westernsydney.edu.au) |
| Hawkesbury Campus | Internal | Dr Sebastian Holmes (https://directory.westernsydney.edu.au/search/email/s.holmes@westernsydney.edu.au) |
| Parramatta Campus - Victoria Road | Internal | Dr Sebastian Holmes (https://directory.westernsydney.edu.au/search/email/s.holmes@westernsydney.edu.au) |

Major Structure

Students must complete 8 subjects as follows.

| Subject | Title | Credit Points |
|--------------------------------|----------------------------------|---------------|
| Level 1 | | |
| CHEM 1008 | Introductory Chemistry | 10 |
| BIOS 1012 | Cell Biology | 10 |
| CHEM 1005 | Essential Chemistry 2 | 10 |
| Level 2 | | |
| BIOS 2014 | Functional Proteins and Genes | 10 |
| Select one of the following: | | 10 |
| BIOS 2026 | Molecular Biology | |
| BIOS 2021 | Metabolism | |
| NATS 2036 | Immunology | |
| Level 3 | | |
| Select three of the following: | | 30 |
| NATS 3034 | Molecular Medicine | |
| BIOS 3014 | Genes, Genomics and Human Health | |
| NATS 3001 | Advanced Immunology | |
| BIOS 3001 | Advanced Cell Biology | |
| Total Credit Points | | 80 |

Equivalent Subjects

The subject listed below count towards completion of this major for students who passed this subject in 2019 or earlier.

BIOS 2020 Immunology, replaced by NATS 2036 Immunology

Related Programs

Bachelor of Business (2786) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-business/>)

Diploma in Business/Bachelor of Business (6037) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/diploma-business-bachelor-business/>)