

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 - Internal Victoria Road		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/2023-2024/programs/bachelor-business/>)

Diploma in Business/Bachelor of Business (6037) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/diploma-business-bachelor-business/>)