

## Bachelor of Biomedical Sciences

**Course Code:** 116910

**Campus:** Townsville

**Credit points:** 72 Credit Points

\*Subject has a pre-req

### Molecular and Cell Biology Major

#### YEAR 1 Full Time

Teaching Period 1 – Complete the following 4 subjects

BM1001 Introduction to Biomedicine	3 CP
BM1000 Introductory Biochemistry and Microbiology	3 CP
BM1002 Anatomy: Principles and Systems	3 CP
CH1001 Chemistry: A Central Science	3 CP

Teaching Period 2 – Complete the following 4 subjects

BM1004 Anatomy: Structure and Movement	3 CP
*CH1002 Chemistry: Principles and Applications (CH1001 OR CH1011 AND ALLOW CONCURRENT FOR CH1011 AND CH1001)	3 CP
*SC1102 Modelling Natural Systems (MA1020) or *SC1109 Modelling Natural Systems – Advanced (MA1000 or MA1009)	3 CP
BS1001 Introduction to Biological Processes	3 CP

#### YEAR 2

Teaching Period 1 – Complete the following 4 subjects

*BC2013 Principles of Biochemistry (BM1000)	3 CP
*MI2011 Microbial Diversity (BM1000 or BZ1001)	3 CP
PP2101 Medical Physiology I	3 CP
SC2202 Quantitative Methods in Science or <a href="#">SC2209</a> :03 Quantitative Methods in Science - Advanced	3 CP

Teaching Period 2– Complete the following 4 subjects

*MI2021 Introductory Infectious Diseases and Immunobiology (MI2011 O MI2031 O BM1000 O BZ1001)	3 CP
PP2201 Medical Physiology 2	3 CP
*BC2023 Molecular Genetics (BM1000)	3 CP
*BC2024 Cell Biology (BM1000)	3 CP

#### YEAR 3

Teaching Period 1– Complete the following 4 subjects

*BC3101 Genes, Genomes and Development (BC2023)	3 CP
*MI3021 Clinical Microbiology (MI2021 O PC22011)	3 CP
*PP3101 Advanced and Integrated Physiology (BC2013 A PP2101 A PP2201)	3 CP
*BC3102 Molecular Basis of Disease (BC2013 and BC2024)	3 CP

Teaching Period 2– Complete the following 4 subjects

*BC3203 Bioinformatics (SC1102 AND SC2202 OR SC1109 AND SC2209)	3 CP
*BC3201 Bioengineering (BC2013 AND BC2023)	3 CP
Select 6 credit points of specified elective subjects	6 CP
*MI3051 Mechanisms of Infectious Diseases (MI3021 OR MI3421)	
MI3071: Molecular Analysis of Tropical Microbes	
*PP3251 Systemic Pathophysiology and Therapeutics (PP2101 AND PP2201)	
*PP3252 Neuropharmacology (BC2024 and PP2101 and PP2201)	
BM3000 Advanced Projects in Biomedicine	