

# Bachelor of Science (Biomedical Science)

*Note: These rules should be read in conjunction with Academic Program Rules parts 1, 2, and 3 of the Bachelor of Science.*

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

## 1 Qualification requirements

1.1 To qualify for the degree a candidate shall pass courses, listed in 1.2 below, to the value of 72 units, which satisfy the following requirements:

- a a candidate shall present passes in courses to the value of 24 units at each of Level I, II and III
- b a candidate may substitute an appropriate course chosen from Level II to fulfil the requirements of Level I, or from Level III to fulfil the requirements of Level I or II
- c a candidate shall complete a major in a discipline as set out in 1.2 below
- d a candidate may also complete a major as set out in Academic Program Rule 4.4 of the degree of Bachelor of Science.

## 1.2 Academic program

### 1.2.1 Level I

Level I courses, which shall include:

i passes in core courses:

Semester 1

BIOLOGY 1101 Biology I: Molecules, Genes and Cells..... 3

CHEM 1100 Chemistry IA..... 3

*or*

CHEM 1101 Foundations of Chemistry IA ..... 3

Semester 2

BIOLOGY 1201 Biology I: Human Perspectives ..... 3

CHEM 1200 Chemistry IB..... 3

*or*

CHEM 1201 Foundations of Chemistry IB ..... 3

ii passes in additional Level I courses to the value of 12 units (which may include BIOLOGY 1202 Biology I: Organisms) selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.2, 4.5.1 and 4.5.2 for the degree of Bachelor of Science.

### 1.2.2 Level II

Level II courses, which shall include:

i passes in core courses to the value of 6 units:

Semester 1

BIOMED 2510 Biomedical Science IIA..... 3

Semester 2

BIOMED 2520 Biomedical Science IIB ..... 3

ii passes in courses to the value of at least 12 units from:

Semester 1

BIOCHEM 2500 Biochemistry II: Molecular and Cell Biology ..... 3

*and*

Semester 2

BIOCHEM 2501 Biochemistry II: Metabolism..... 3

Semester 1

GENETICS 2510 Genetics IIA: Foundation of Genetics..... 3

*and*

Semester 2

GENETICS 2520 Genetics IIB: Function & Diversity of Genomes ..... 3

Semester 1	
MICRO 2500 Microbiology II .....	3
<i>and</i>	
Semester 2	
MICRO 2501 Immunology and Virology II .....	3
iii passes in additional Level II courses to the value of up to 6 units in accordance with Academic Program Rules 4.5.3 and 4.5.4 for the degree of Bachelor of Science, or in accordance with Academic Program Rule 4.2 for the degree of Bachelor of Science including approved courses* in the Faculty of Health Sciences that are not already covered by 4.5.3.	
* approved courses will be determined by agreement between the Faculty of Sciences and the Faculty of Health Sciences; contact the Program Coordinator for a list of such courses.	
1.2.3 Level III	
Level III courses, which shall include:	
i passes in core courses to the value of 12 units:	
<b>For a major in Biochemistry:</b>	
Semester 1	
BIOCHEM 3230 Molecular and Structural Biology III (Biomedical Science).....	6
Semester 2	
BIOCHEM 3235 Cancer, Stem Cells & Developmental Biology III (Biomedical Science) .....	6
<b>For a major in Genetics:</b>	
Semester 1	
GENETICS 3111 Genes, Genomes and Molecular Evolution III.....	6
Semester 2	
GENETICS 3212 Gene Expression and Human and Developmental Genetics (Biomedical Science) III .....	6
<b>For a major in Microbiology and Immunology:</b>	
Semester 1	
MICRO 3102 Infection and Immunity IIIA (Biomedical Science).....	6
Semester 2	
MICRO 3202 Infection and Immunity IIIB (Biomedical Science) .....	6
ii passes in additional Level III course to the value of 12 units in the disciplines of Anatomical Sciences, Biochemistry, Chemistry, Genetics, Microbiology and Immunology, Pharmacology or Physiology selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.5 for the degree of Bachelor of Science.	

1.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material, and no course or portion of a course may be counted twice towards an award.

Note: A list of unacceptable combinations of courses is available from the Faculty of Sciences.

**2 Graduation**

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award.