

Bachelor of Science (Nanoscience and Materials)

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 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

CHEM 1100 Chemistry IA..... 3

or

CHEM 1101 Foundations of Chemistry IA 3

PHYSICS 1100 Physics IA* 3

or

PHYSICS 1101 Physics for the Life & Earth Sciences IA 3

or

PHYSICS 1008 Physical Aspects of Nature I 3

and

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

Semester 2

CHEM 1200 Chemistry IB..... 3

or

CHEM 1201 Foundations of Chemistry IB 3

PHYSICS 1200 Physics IB** 3

or

PHYSICS 1201 Physics for the Life & Earth Sciences IB 3

and

BIOLOGY 1201 Biology I: Human Perspectives 3

or

BIOLOGY 1202 Biology I: Organisms 3

- ii passes in additional Level I course to the value of 6 units 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.

* Requires MATHS 1011 Mathematics IA as a corequisite

** Requires MATHS 1012 Mathematics IB as a corequisite

1.2.2 Level II

Level II courses, which shall include:

- i passes in core courses

Semester 1

CHEM 2516 Chemistry IIA (Nanoscience & Materials) 3

CHEM 2530 Environmental & Analytical Chemistry II 3

- Semester 2
 CHEM 2526 Chemistry IIB (Nanoscience & Materials) 3
 CHEM 2540 Medicinal and Biological Chemistry II 3
- ii passes in additional Level II course to the value of 12 units selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.2, 4.5.3 and 4.5.4 for the degree of Bachelor of Science.
- 1.2.3 Level III
 Level III courses, which shall include:
- i passes in core courses
- Semester 1
 CHEM 3111 Chemistry III 6
- Semester 2
 CHEM 3211 Heterocyclic Chemistry & Molecular Devices III..... 3
 CHEM 3212 Materials Chemistry III 3
 CHEM 3213 Advanced Synthetic Methods III..... 3
- ii passes in additional Level III course to the value of 9 units selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.5 and 4.5.6 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.
- 1.4 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.
- 2 Special circumstances
 When in the opinion of the Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.