

Bachelor of Science (Ecochemistry)

These rules should be read in conjunction with Academic Program Rules parts 2, 3 and 4 of the Bachelor of Science.

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 5.4 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

GEOLOGY 1103 Earth Systems I..... 3

Semester 2

BIOLOGY 1202 Biology I: Organisms..... 3

and/or

ENV BIOL 1002 Ecological Issues I..... 3

CHEM 1200 Chemistry IB 3

or

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

GEOLOGY 1100 Earth's Interior I 3

- ii passes in additional Level I course up 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 but not including BIOLOGY 1201 Biology I: Human Perspectives.

1.2.2 Level II

Level II courses, which shall include:

- i passes in core courses

Semester 1

CHEM 2512 Chemistry IIA (Ecochemistry)..... 3

CHEM 2530 Environmental & Analytical Chemistry II..... 3

Semester 2

CHEM 2522 Chemistry IIB (Ecochemistry) 3

CHEM 2540 Medicinal & Biological Chemistry II..... 3

- ii passes in Level II courses to the value of 6 units chosen from:

Semester 1

at least one from:

ENV BIOL 2500 Botany II 3

GEOLOGY 2500 Sedimentary Geology II..... 3

SOIL&WAT 2500WT Soil & Water Resources II 3

Semester 2

at least one from:

ENV BIOL 2502 Ecology II..... 3

GEOLOGY 2503 Landscape Processes and Environments II 3

- iii passes in additional Level II courses to the value of 6 units selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.2 and 4.5.3 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

CHEM 3530 Environmental & Analytical Chemistry III.....3

Semester 2

CHEM 3211 Heterocyclic Chemistry & Molecular Devices III3

CHEM 3212 Materials Chemistry III3

ii passes in additional Level III course to the value of 9 units chosen from:

Summer semester

SOIL&WAT 3004WT Environmental Toxicology and Remediation III.....3

Semester 1

CHEM 3540 Research Methods in Chemistry III*3

ENV BIOL 3004 Freshwater Ecology III3

ENV BIOL 3121 Concepts in Ecology EBII.....3

GEOLOGY 3015 Environmental Geoscience Processes III3

SOIL&WAT 3017WT Soil & Water: Management and Conservation III.....3

SOIL&WAT 3016WT Soil Ecology and Nutrient Cycling III3

Semester 2

CHEM 3213 Advanced Synthetic Methods III3

CHEM 3214 Medicinal & Biological Chemistry III.....3

CHEM 3542 Research Methods in Chemistry III (ND)*3

ENV BIOL 3008 Conservation and Restoration3

ENV BIOL 3009 Ecophysiology of Plants III3

ENV BIOL 3010 Marine Ecology III3

ENV BIOL 3012WT Integrated Catchment Management III #3

GEOLOGY 3014 Environmental Geoscience Applications III3

SOIL&WAT 3010 Remote Sensing III.....3

* Students should undertake either CHEM3540 (Sem 1) or CHEM 3542(Sem 2)

Semester 2 course taught in mid-semester break

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.