Program Code

BTBSC

Program Minimum Units

96

Standard Duration

4 Years

Program Faculty

Faculty of Arts

AQF Level

07

Academic Year

2017

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

Overview

The Bachelor of Teaching degree program prepares students for teaching in middle and senior secondary schools. It is also suitable for students intending to work with adult learners. The program is offered as a double degree only and is designed for students who are beginning tertiary study. The primary focus in the first three years of the degree is on completing a major in two different subject areas usually taught at senior secondary level. A major consists of courses taken over three consecutive years of study. Six semesters of study in a subject area is the general requirement for teaching a subject up to Year 12 level.

Students are required to have completed the requirements of the discipline degree to be eligible to enrol into the fourth year of the program.

The Bachelor of Teaching and Bachelor of Science is an AQF Level 7 program with a standard full-time duration of 4 years.

Academic Program Rules for Bachelor of Teaching and Bachelor of Science (BTeach BSc)

There shall be a Bachelor of Teaching and Bachelor of Science (BTeach BSc).

Qualification Requirements

Academic Program

To qualify for the double degree of Bachelor of Teaching and Bachelor of Science, the student must complete satisfactorily a program of study consisting of the following requirements with a combined total of not less than 96 units, comprising:

a. Core courses to the value of 42 units for the Bachelor of Teaching
b. Courses from the Bachelor of Science to the value of 54 units to include
i. Level I courses to the value of 18 units
ii. Level II courses to the value of 18 units
iii. Level III courses to the value of 18 units, inclusive of the courses completed as a part of a major from the Bachelor of Science

c. The major may be chosen from any major in the Bachelor of Science and may include:
- Biochemistry
- Chemistry
- Ecology
- Ecology and Spatial Science
- Evolutionary Biology
- Experimental & Theoretical Physics
- Geology
- Geophysics & Applied Geology
- Genetics
- Microbiology & Immunology
- Physics
- Theoretical Physics
- Soil Science

Note: A student who has completed a major in a Science discipline and also completes courses that fulfil requirements for a major as specified under the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Science, shall be awarded that Mathematical and Computer Science major in addition to the Science major.

Graduation Requirement

Students are advised of the following requirements from 2017. The Australian Government has recently introduced the Literacy and Numeracy Test for all initial teacher education (ITE) students to ensure that they have the high level of personal literacy and numeracy skills required of teachers. The test is a single, national instrument designed to assess elements of an individual’s literacy and numeracy skills and will be used to demonstrate that ITE graduates are in the top 30 per cent of the population for literacy and numeracy. All South Australian students commencing an ITE program after 1 January 2017 will be required to meet the benchmark prior to graduation.

Bachelor of Teaching Core Courses

To satisfy the requirements for Bachelor of Teaching Core Courses students must complete courses to the value of 42 units.

**Level I**

Courses to the value of 6 units from the following:
EDUC 1001 *Schools and Policy* (3 units)
EDUC 1100 *Introduction to Teaching and Learning* (3 units)

**Level II**

Courses to the value of 6 units from the following:
EDUC 2001 *Issues in Contemporary Education* (3 units)
EDUC 2002 *Professional Practice & Research* (3 units)

**Level III**

Courses to the value of 6 units from the following:
EDUC 3001 *Reflective Practice* (3 units)
EDUC 3003 Education, Culture & Diversity (3 units)
Level IV - Professional Experience

Courses to the value of 12 units from the following:

EDUC 4205 Professional Experience 1 (UG) (3 units)
EDUC 4206 Professional Experience A (UG) (3 units)
EDUC 4207 Professional Preparation (UG) (3 units)
EDUC 4208 Professional Experience B (UG) (3 units)

Level IV - Curriculum and Methodology

Students must complete courses from two teaching areas, to the value of 12 units, which may include up to 6 units from the General Curriculum and Methodology courses as approved by the School.

Students are required to take both the Part A and the matching Part B course.

Courses to the value of at least 6 units from the following:
EDUC 4508A Accounting Curriculum & Methodology A (UG) (3 units)
EDUC 4508B Accounting Curriculum & Methodology B (UG) (3 units)
EDUC 4510A Biology Curriculum & Methodology A (UG) (3 units)
EDUC 4510B Biology Curriculum and Methodology B (UG) (3 units)
EDUC 4511A Business Studies Curriculum & Methodology A (UG) (3 units)
EDUC 4511B Business Studies Curriculum & Methodology B (UG) (3 units)
EDUC 4512A Chemistry Curriculum & Methodology A (UG) (3 units)
EDUC 4512B Chemistry Curriculum and Methodology B (UG) (3 units)
EDUC 4513A Chinese Curriculum & Methodology A (UG) (3 units)
EDUC 4513B Chinese Curriculum & Methodology B (UG) (3 units)
EDUC 4514A Classroom Music Curriculum & Methodology A (UG) (3 units)
EDUC 4514B Classroom Music Curriculum & Methodology B (UG) (3 units)
EDUC 4515A Economics Curriculum and Methodology A (UG) (3 units)
EDUC 4515B Economics Curriculum and Methodology B (UG) (3 units)
EDUC 4516A English as a 2nd Language Curric & Methodology A (UG) (3 units)
EDUC 4516B English as a 2nd Language Curric & Methodology B (UG) (3 units)
EDUC 4518A French Curriculum & Methodology A (UG) (3 units)
EDUC 4518B French Curriculum & Methodology B (UG) (3 units)
EDUC 4520A Geography Curriculum & Methodology A (UG) (3 units)
EDUC 4520B Geography Curriculum & Methodology B (UG) (3 units)
EDUC 4521A German Curriculum & Methodology A (UG) (3 units)
EDUC 4521B German Curriculum & Methodology B (UG) (3 units)
EDUC 4522A Senior History Curriculum & Methodology A (UG) (3 units)
EDUC 4522B Senior History Curriculum & Methodology B (UG) (3 units)
EDUC 4523A Indonesian Curriculum & Methodology A (UG) (3 units)
EDUC 4523B Indonesian Curriculum & Methodology B (UG) (3 units)
EDUC 4524A Information Technology Curric & Methodology A (UG) (3 units)
EDUC 4524B Information Technology Curric & Methodology B (UG) (3 units)
EDUC 4525A Instrumental Music Curriculum & Methodology A (UG) (3 units)
EDUC 4525B Instrumental Music Curriculum & Methodology B (UG) (3 units)
EDUC 4526A Italian Curriculum & Methodology A (UG) (3 units)
EDUC 4526B Italian Curriculum & Methodology B (UG) (3 units)
EDUC 4527A Japanese Curriculum & Methodology A (UG) (3 units)
EDUC 4527B Japanese Curriculum & Methodology B (UG) (3 units)
EDUC 4531A Physics Curriculum & Methodology A (UG) (3 units)
EDUC 4531B Physics Curriculum & Methodology B (UG) (3 units)
EDUC 4532A Senior English Curriculum & Methodology A (UG) (3 units)
EDUC 4532B Senior English Curriculum & Methodology B (UG) (3 units)
EDUC 4533A Senior Mathematics Curric & Methodology A (UG) (3 units)
EDUC 4533B Senior Mathematics Curric & Methodology B (UG) (3 units)
EDUC 4534A Studies of Society & Environment A (UG) (3 units)
EDUC 4534B Studies of Society & Environment B (UG) (3 units)
EDUC 4535A Spanish Curriculum & Methodology A (UG) (3 units)
EDUC 4535B Spanish Curriculum & Methodology B (UG) (3 units)
EDUC 4536A Other Language Curriculum & Methodology A (UG) (3 units)
EDUC 4536B Other Language Curriculum & Methodology B (UG) (3 units)
EDUC 4537A Vietnamese Curriculum & Methodology A (UG) (3 units)
EDUC 4537B Vietnamese Curriculum & Methodology B (UG) (3 units)
EDUC 4538A Modern Greek Curriculum & Methodology A (UG) (3 units)
EDUC 4538B Modern Greek Curriculum & Methodology B (UG) (3 units)
EDUC 4540A Psychology Curriculum & Methodology A (UG) (3 units)
EDUC 4540B Psychology Curriculum & Methodology B (UG) (3 units)

Courses to the value of up to 6 units may be taken from the following:

General Curriculum and Methodology
EDUC 4517A Extended Specialist Curriculum A (UG) (3 units)
EDUC 4517B Extended Specialist Curriculum B (UG) (3 units)
EDUC 4543A Alternative Curricula A (UG) (3 units)
EDUC 4543B Alternative Curricula B (UG) (3 units)
EDUC 4519A English Curriculum & Methodology A (UG) (3 units)
EDUC 4519B English Curriculum & Methodology B (UG) (3 units)
EDUC 4544A History Curriculum & Methodology A (UG) (3 units)
EDUC 4544B History Curriculum & Methodology B (UG) (3 units)
EDUC 4528A Mathematics Curric & Methodology A (UG) (3 units)
EDUC 4528B Mathematics Curric & Methodology B (UG) (3 units)
EDUC 4529A Science Curriculum & Methodology A (UG) (3 units)
EDUC 4529B Science Curriculum & Methodology B (UG) (3 units)

Biochemistry Major

To satisfy the requirements for Biochemistry Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
BIOCHEM 3000 Molecular and Structural Biology III (6 units)
BIOCHEM 3001 Cancer, Stem Cells & Development III (6 units)

Chemistry Major

To satisfy the requirements for Chemistry Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
CHEM 3111 Chemistry III (6 units)

and

Courses to the value of 6 units from the following:
CHEM 3211 Synthesis of Materials III (3 units)
CHEM 3212 Fundamentals of Materials III (3 units)
CHEM 3213 Advanced Synthetic Methods III (3 units)
CHEM 3214 Medicinal and Biological Chemistry III (3 units)
CHEM 3560 Molecular Structure Determination III (6 units)

Ecology Major
To satisfy the requirements for Ecology Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
ENV BIOL 3121 Concepts in Ecology III (3 units)
ENV BIOL 3510 Research Methods in Ecology III (3 units)

and

Courses to the value of 6 units from the following:
ENV BIOL 3004 Freshwater Ecology III (3 units)
SOIL&WAT 3016WT Soil Ecology and Nutrient Cycling III (3 units)
SOIL&WAT 3007WT GIS for Environmental Management III (3 units)
ENV BIOL 3009 Ecophysiology of Plants III (3 units)

Evolutionary Biology Major

To satisfy the requirements for Evolutionary Biology Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
ENV BIOL 3011 Evolution and Diversity of Insects III (3 units)
ENV BIOL 3530 Research Methods in Evolutionary Biology III (3 units)
ENV BIOL 3550 Evolution of Australian Biota III (6 units)

Geology Major

To satisfy the requirements for Geology Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
GEOLOGY 3013 Tectonics III (3 units)
GEOLOGY 3016 Igneous and Metamorphic Geology III (3 units)
GEOLOGY 3019 Field Geoscience Program III (3 units)
GEOLOGY 3505 Earth Systems History III (3 units)

Geophysics & Applied Geology Major

To satisfy the requirements for Geophysics & Applied Geology Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
GEOLOGY 3008 Geophysics III (3 units)
GEOLOGY 3502 Mineral and Energy Resources III (3 units)
GEOLOGY 3500 Exploration Methods III (3 units)

and

Courses to the value of 3 units from the following:
SOIL&WAT 3010 Remote Sensing II (3 units)
SOIL&WAT 3007WT GIS for Environmental Management III (3 units)

Genetics Major

To satisfy the requirements for Genetics Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
GENETICS 3111 Genes, Genomes and Molecular Evolution III (6 units)
GENETICS 3211  Gene Expression & Human Developmental Genetics III (6 units)

**Microbiology & Immunology Major**

To satisfy the requirements for Microbiology & Immunology Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
MICRO 3000  Infection and Immunity IIIA (6 units)
MICRO 3001  Infection and Immunity IIIB (6 units)

**Physics Major**

To satisfy the requirements for Physics Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
PHYSICS 3002  Experimental Physics III (3 units)
PHYSICS 3542  Physics III (6 units)

and

Courses to the value of 3 units from the following:
PHYSICS 3006  Advanced Dynamics and Relativity III (3 units)
PHYSICS 3532  Atmospheric and Astrophysics III (3 units)
PHYSICS 3534  Computational Physics III (3 units)
PHYSICS 3540  Optics and Photonics III (3 units)
PHYSICS 3544  Quantum Mechanics III (3 units)

**Theoretical Physics Major**

To satisfy the requirements for Theoretical Physics Major students must complete courses to the value of 12 units.

All of the following courses must be completed:
PHYSICS 3006  Advanced Dynamics and Relativity III (3 units)
PHYSICS 3542  Physics III (6 units)
PHYSICS 3544  Quantum Mechanics III (3 units)

**Soil Science Major**

To satisfy the requirements for Soil Science Major students must complete courses to the value of 9 units.

All of the following courses must be completed:
SOIL&WAT 3016WT  Soil Ecology and Nutrient Cycling III (3 units)
SOIL&WAT 3017WT  Soil & Water: Management & Conservation III (3 units)

and

Courses to the value of 3 units from the following:
SOIL&WAT 3004WT  Environmental Toxicology and Remediation III (3 units)
PLANT SC 3505WT  Soil and Plant Nutrition III (3 units)
GEOLOGY 3505  Earth Systems History III (3 units)

**Chemistry Double Major**

To satisfy the requirements for Chemistry Double Major students must complete courses to the value of 18 units.
All of the following courses must be completed:
CHEM 3111 Chemistry III (6 units)

and

Courses to the value of 12 units from the following:
CHEM 3211 Synthesis of Materials III (3 units)
CHEM 3212 Fundamentals of Materials III (3 units)
CHEM 3213 Advanced Synthetic Methods III (3 units)
CHEM 3214 Medicinal and Biological Chemistry III (3 units)
CHEM 3560 Molecular Structure Determination III (6 units)

Ecology & Spatial Science Double Major

To satisfy the requirements for Ecology & Spatial Science Double Major students must complete courses to the value of 18 units.

All of the following courses must be completed:
ENV BIOL 3121 Concepts in Ecology III (3 units)
SOIL&WAT 3010 Remote Sensing III (3 units)
SOIL&WAT 3007WT GIS for Environmental Management III (3 units)
ENV BIOL 3510 Research Methods in Ecology III (3 units)

and

Courses to the value of 6 units from the following:
ENV BIOL 3004 Freshwater Ecology III (3 units)
SOIL&WAT 3016WT Soil Ecology and Nutrient Cycling III (3 units)
ENV BIOL 3009 Ecophysiology of Plants III (3 units)

Experimental & Theoretical Physics Double Major

To satisfy the requirements for Experimental & Theoretical Physics Double Major students must complete courses to the value of 18 units.

All of the following courses must be completed:
PHYSICS 3002 Experimental Physics III (3 units)
PHYSICS 3006 Advanced Dynamics and Relativity III (3 units)
PHYSICS 3542 Physics III (6 units)
PHYSICS 3544 Quantum Mechanics III (3 units)

and

Courses to the value of 3 units from the following:
PHYSICS 3532 Atmospheric and Astrophysics III (3 units)
PHYSICS 3534 Computational Physics III (3 units)
PHYSICS 3540 Optics and Photonics III (3 units)

Bachelor of Science Electives

To satisfy the requirements for Bachelor of Science Electives students must complete courses to the value of 39 units from the Bachelor of Science.

Level I

Courses to the value of 18 units from the following:

Any courses offered in the Level I Science Electives Courses or Level I Mathematical and Computer
Bachelor of Teaching and Bachelor of Science (BTeach BSc)

Sciences Electives Courses from the Bachelor of Science.

**Level II**

Courses to the value of 18 units from the following:

Any courses offered in the Level II Sciences Electives Courses or Level II Mathematical and Computer Sciences Electives Courses from the Bachelor of Science.

**Level III**

Courses to the value of up to 12 units may be taken from the following:

Any courses offered in the Level III Science Electives Courses or Level III Mathematical and Computer Sciences Electives Courses from the Bachelor of Science, to meet the requirement of 21 units of Level III courses, inclusive of the chosen major from the Bachelor of Science.

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