

Program Code

BTSM

Program Minimum Units

96

Standard Duration

4 Years

Program Faculty

Faculty of Arts

AQF Level

07

Academic Year

2022

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

Overview

The Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences double degree prepares students for teaching in secondary schools. It is designed for students who are beginning tertiary study. The primary focus in the first three years of the double degree is on completing two teaching areas for teaching 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 (Secondary) with Bachelor of Mathematical and Computer Sciences is an AQF Level 7 qualification with a standard full-time duration of 4 years.

The program is offered as a double degree and students are required to complete both awards at the same time.

Conditions**Condition of Admission**

Criminal History Clearance: Students must be able to demonstrate a successful National Criminal History Record Check (NCHRC) as it is required by teacher employment authorities in Australia and South Australia. A Working With Children Check (WWCC) is required prior to undertaking any professional experience/practicum placements which involves contact with minors (under 18 years of age). These placements are compulsory. International students will be required to obtain a certificate from their home country

Condition of Enrolment

Interruption of program: Students must apply for permission from the Program Coordinator before taking a Leave of Absence. Any extension of the leave without approval will result in the loss of place in the program but an application may be made to be re-admitted to the program subject to the admission procedures in place at the time.

Condition of Continuing Enrolment

LANTITE: progression into the fourth year of the program is subject to the successful completion of both the literacy and numeracy components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE).

Academic Program Rules for Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences (BTeach(Sec) BMaCompSci)

There shall be a Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences (BTeach(Sec) BMaCompSci).

Qualification Requirements

Academic Program

To qualify for the degree of Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences, 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:

1. Core courses to the value of 36 units from the Bachelor of Teaching (Secondary)
2. Courses to the value of 6 units from Bachelor of Teaching Curriculum and Pedagogy courses.
3. Courses to the value of 18 units from a second Teaching Area.
4. Courses to the value of 36 units from the Bachelor of Mathematical and Computer Sciences including 12 units of core courses and 24 units of major courses:
 - Level I courses to the value of 12 units
 - Level II courses to the value of 12 units
 - Level III courses to the value of 12 units

Note: Students may substitute one Level II course with a Level III course from those specified in the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Sciences.

A major may be chosen from the following selection only:

- Computer Science
- Mathematical Sciences

Specific course requirements for the majors in Computer Science and Mathematical Sciences are provided in the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Sciences.

Bachelor of Teaching (Secondary) Core Courses

To satisfy the requirements for Bachelor of Teaching (Secondary) Core Courses students must complete courses to the value of 36 units.

Level I

All of the following courses must be completed:

EDUC 1001 [Schools and Society](#) (3 units)

EDUC 1100 [Introduction to Teaching and Learning](#) (3 units)

Level II

All of the following courses must be completed:

EDUC 2001 [Issues in Contemporary Education](#) (3 units)

EDUC 2002 [Research as Teaching Practice](#) (3 units)

Level III

All of the following courses must be completed:

EDUC 3003 [Teaching the Diverse Classroom](#) (3 units)

EDUC 3006 [Secondary Years Pedagogy](#) (3 units)

Level IV - Professional Experience

All of the following courses must be completed:

EDUC 4090 [Prof Experience B & Assess for Graduate Teaching](#) (6 units)

EDUC 4213 [Education Research Skills](#) (3 units)

EDUC 4215 [Secondary Years Professional Experience A](#) (3 units)

EDUC 4217 [Curriculum, Assessment & Policy](#) (3 units)

EDUC 4218 [Foundations of Education](#) (3 units)

Bachelor of Teaching Core Course (Curriculum and Pedagogy) MathsCompSci

To satisfy the requirements for Bachelor of Teaching Core Course (Curriculum and Pedagogy) MathsCompSci students must complete courses to the value of 6 units.

Courses to the value of 6 units from the following:

EDUC 4105 [Accounting Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4106 [Biology Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4107 [Business Studies Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4108 [Chemistry Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4109 [Chinese Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4111 [Digital Technologies Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4114 [English as an Add Lang/Dialect Curr & Ped \(UG\)](#) (3 units)

EDUC 4115 [English Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4116 [French Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4117 [Geography Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4118 [German Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4119 [History Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4120 [Humanities & Social Sciences Curr & Ped \(UG\)](#) (3 units)

EDUC 4121 [Indonesian Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4123 [Italian Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4124 [Japanese Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4126 [Mathematics Curriculum and Pedagogy \(UG\)](#) (3 units)

EDUC 4128 [Modern Greek Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4130 [Physics Curriculum & Pedagogy \(UG\)](#) (3 units)

EDUC 4134 [Spanish Curriculum and Pedagogy \(UG\)](#) (3 units)

Bachelor of Mathematical and Computer Sciences Courses

To satisfy the requirements for Bachelor of Mathematical and Computer Sciences Courses students must complete courses to the value of 36 units.

Level I

Courses to the value of at least 9 units from the following:

ENG 1002 [Programming \(Matlab and C\)](#) (3 units)

MATHS 1011 [Mathematics IA](#) (3 units)

MATHS 1012 [Mathematics IB](#) (3 units)

and

Courses to the value of 3 units from the following:

Level I course from the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Sciences towards a Computer Science major or the Mathematical Sciences major only.

Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. This does not count towards the degree. MATHS 1013 [Mathematics IM](#) (3 units)

Level II

Courses to the value of 12 units from the following:

Level II courses from the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Sciences towards a Computer Science major or the Mathematical Sciences major only.

Level III

Courses to the value of 12 units from the following:

Level III courses from the Academic Program Rules for the degree of Bachelor of Mathematical and Computer Sciences towards a Computer Science major or the Mathematical Sciences major only.

Teaching Area 2

To satisfy the requirements for Teaching Area 2 students must complete courses to the value of 18 units.

Teaching Area

Courses to the value of 18 units from the following:

You will complete 18 units:

- 6 units at level I
- 6 units at level II
- 6 units at level III

The teaching area can be from one of the following:

- Accounting
- Biology
- Business Studies
- Chemistry
- Chinese
- Digital Technologies
- English
- French
- Geography
- German
- History
- Indonesian
- Italian
- Japanese
- Linguistics
- Mathematics
- Modern Greek
- Physics
- Spanish

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