

# 2019 Study Plan

## Bachelor of Teaching (Secondary) with Bachelor of Mathematical and Computer Sciences with a major in Computer Sciences and a second teaching area

Year 1			
ENG 1002 Programming (Matlab and C)	MATHS 1011 Mathematics IA*	Teaching Area 2 (Elective Level I)	EDUC 1001 Schools and Policy
COMP SCI 1102 Object Oriented Programming	MATHS 1012 Mathematics IB	Teaching Area 2 (Elective Level I)	EDUC 1100 Introduction to Teaching and Learning (inc 10-day Placement)
Year 2			
COMP SCI 2103 Algorithm Design & Data Structures	Computer Sciences Elective Level II	Teaching Area 2: (Elective Level II)	EDUC 2001 Issues in Contemporary Education (inc 10-day Placement)
COMP SCI 2000 Computer Systems	Computer Sciences Elective Level II	Teaching Area 2: (Elective Level II)	EDUC 2002 Professional Practice and Research
Year 3			
Computer Sciences Elective Level III	Computer Sciences Elective Level III	Teaching Area 2 (Elective Level III)	EDUC 3006 Secondary Years Pedagogy (incl 10-day Placement)
COMP SCI 3006 Software Engineering & Project	Computer Sciences Elective Level III	Teaching Area 2 (Elective Level III)	EDUC 3003 Teaching the Diverse Classroom
Year 4			
Prior to commencing 4 <sup>th</sup> year ALL students must :			
1. successfully complete both the literacy and numeracy components of the LANTITE			
2. complete the requirements for the Bachelor of Mathematical and Computer Sciences program			
T 1	EDUC 4524A Digital Technologies Curriculum and Methodology A	Teaching Area 2 Curriculum and Methodology A	EDUC 4213 Education Research Skills
T 2	EDUC 4524B Digital Technologies Curriculum and Methodology B	Teaching Area 2 Curriculum and Methodology B	EDUC 4206 Professional Experience A (UG) (25 days in a Secondary School)
T 3	EDUC 4207 Professional Preparation (UG) (intensive week 1)	EDUC 4208 Professional Experience B (UG) (25 days in a Secondary School)	
T 4	Provided all of the above requirements have been met, students will be eligible for completion.		
Mathematical and Computer Sciences course	Teaching Area <sup>1</sup> (Computer Sciences major course) – guide only	Teaching Area <sup>2</sup> (Elective course)	Teaching course

### Degree information

You must complete 96 units to finish your degree, comprising at least 12 units (and a maximum of 24 units) at Level I, and a minimum of 72 units at Levels II, III, and IV. Courses are worth 3 units each, unless specified.

### Mathematical and Computer Sciences Courses

You must complete 12 units of Mathematical and Computer Sciences Core courses. Ensure you check any restrictions and pre-requisites.

\*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.

**Note:** MATHS 3025 Professional Practice III is not considered a Mathematical Sciences course and cannot be presented towards a major

### Teaching Area 1: Computer Sciences Major Course

You must complete 24 units to be eligible for the Computer Sciences teaching area (major). The courses are a guide only.

Contact the Faculty of Engineering, Computer and Mathematical Sciences

Phone: +61 8 8313 4148

Email: [ecms\\_office@adelaide.edu.au](mailto:ecms_office@adelaide.edu.au)

<https://ecms.adelaide.edu.au/>

<sup>1</sup> Defined by the accrediting body, Australian Institute for Teaching and School Leadership (AITSL):

i) A **major teaching area** is the equivalent of a total of three-quarters of a year's full time study which equates to 18 units. No more than 6 units at Level I and at least 6 units at Level III can be counted.

ii) A **minor teaching area** is equivalent to one-half year of full time study which equates to 12 units. No more than 6 units at Level I can be counted.

### Teaching Area 2

You must complete 18 units in one of the following areas to be eligible for a second teaching area:

- Accounting
- Biology
- Business Studies
- Chemistry
- Chinese Studies\*\*
- English
- French Studies\*\*
- Geography
- German Studies\*\*
- History
- Indonesian Studies\*\*
- Italian Studies\*\*
- Japanese Studies\*\*
- Linguistics (EAL)
- Mathematical Sciences
- Modern Greek Studies\*\*
- Music
- Physics
- Spanish Studies\*\*

\*\*Students must seek advice regarding eligibility from the Faculty of Arts prior to enrolling.

### Teaching Course

You must complete 42 units of Teaching Core courses, including 12 units of Curriculum & Methodology courses. Both Part A and the matching Part B of the same Curriculum & Methodology course (detailed over page) must be completed from your chosen two teaching subject areas.

### Study Overseas

A Study Overseas experience may be included in your program. Please see: [www.arts.adelaide.edu.au/study-with-us/student-support/study-overseas](http://www.arts.adelaide.edu.au/study-with-us/student-support/study-overseas)

### Further Information and Enrolment Advice

Faculty of Arts

Phone: +61 8 8313 5245

Email: [arts@adelaide.edu.au](mailto:arts@adelaide.edu.au)

[www.arts.adelaide.edu.au](http://www.arts.adelaide.edu.au)

## Curriculum & Methodology Courses

### Accounting

- EDUC 4508A Accounting Curriculum & Methodology A
- EDUC 4508B Accounting Curriculum & Methodology B

### Biology

- EDUC 4510A Biology Curriculum & Methodology A
- EDUC 4510B Biology Curriculum & Methodology B

### Business Studies

- EDUC 4511A Business Studies Curriculum & Methodology A
- EDUC 4511B Business Studies Curriculum & Methodology B

### Chemistry

- EDUC 4512A Chemistry Curriculum & Methodology A
- EDUC 4512B Chemistry Curriculum & Methodology B

### Chinese

- EDUC 4513A Chinese Curriculum & Methodology A
- EDUC 4513B Chinese Curriculum & Methodology B

### Classroom Music

- EDUC 4514A Classroom Music Curriculum & Methodology A
- EDUC 4514B Classroom Music Curriculum & Methodology B

### Digital Technologies

- EDUC 4524A Digital Technologies Curriculum & Methodology A
- EDUC 4524B Digital Technologies Curriculum & Methodology B

### English

- EDUC 4519A English Curriculum & Methodology A
- EDUC 4519B English Curriculum & Methodology B

### English as an Additional Language

- EDUC 4516A Engl as an Additional Lang/Dialect Curriculum & Methodology A
- EDUC 4516B Engl as an Additional Lang/Dialect Curriculum & Methodology B

### French

- EDUC 4518A French Curriculum & Methodology A
- EDUC 4518B French Curriculum & Methodology B

### Geography

- EDUC 4520A Geography Curriculum & Methodology A
- EDUC 4520B Geography Curriculum & Methodology B

### German

- EDUC 4521A German Curriculum & Methodology A
- EDUC 4521B German Curriculum & Methodology B

### History

- EDUC 4544A History Curriculum & Methodology A
- EDUC 4544B History Curriculum & Methodology B

### Indonesian

- EDUC 4523A Indonesian Curriculum & Methodology A
- EDUC 4523B Indonesian Curriculum & Methodology B

### Instrumental Music

- EDUC 4525A Instrumental Music Curriculum & Methodology A
- EDUC 4525B Instrumental Music Curriculum & Methodology B

### Italian

- EDUC 4526A Italian Curriculum & Methodology A
- EDUC 4526B Italian Curriculum & Methodology B

### Japanese

- EDUC 4524A Japanese Curriculum & Methodology A
- EDUC 4524B Japanese Curriculum & Methodology B

### Mathematics

- EDUC 4528A Mathematics Curriculum & Methodology A
- EDUC 4528B Mathematics Curriculum & Methodology B

### Modern Greek

- EDUC 4538A Modern Greek Curriculum & Methodology A
- EDUC 4538B Modern Greek Curriculum & Methodology B

### Physics

- EDUC 4531A Physics Curriculum & Methodology A
- EDUC 4531B Physics Curriculum & Methodology B

### Senior English

- EDUC 4532A Senior English Curriculum & Methodology A
- EDUC 4532B Senior English Curriculum & Methodology B

### Senior History

- EDUC 4522A Senior History Curriculum & Methodology A
- EDUC 4522B Senior History Curriculum & Methodology B

### Senior Mathematics

- EDUC 4533A Senior Mathematics Curriculum & Methodology A
- EDUC 4533B Senior Mathematics Curriculum & Methodology B

### Spanish

- EDUC 4535A Spanish Curriculum & Methodology A
- EDUC 4535B Spanish Curriculum & Methodology B