

# D304 BACHELOR OF SCIENCE/ MASTER OF TEACHING (SECONDARY)



FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT/ FACULTY OF ARTS AND EDUCATION

FOR STUDENTS COMMENCING TRIMESTER 1 2022

Last updated 30/09/2021

When you first enrol via StudentConnect and go through the enrolment steps, you may be able to simply confirm any units that are pre-populated for you. You can also add any that you need to do, as part of your first year's enrolment – by using the information on this map and in the Handbook.

You must also complete the following compulsory zero (0) credit point units: AAI018 Academic Integrity (0 credit points), ELNO10 LANTITE Literacy (0 credit points), ELNO11 LANTITE Numeracy (0 credit points), SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit points) AND STPO10 Career Tools for Employability (0 credit points).

<b>YEAR 1</b> Year: 2022	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 2</b> Year: 2023	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 3</b> Year: 2024	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 4</b> Year: 2025	Trimester 1				
	Trimester 2				
	Trimester 3				

## D304 COURSE RULES

In order to qualify for the award of Bachelor of Science/ Master of Teaching (Secondary) (D304), students must complete 36 credit points, comprising of 24 credit points from the Bachelor of Science, and 12 credit points from the Master of Teaching:

### Bachelor of Science Studies:

- 7 credit points of core science units;
- 2 credit points of units as follows: students who have not completed Year 12 Chemistry or equivalent take SLE133 and SLE155; students who completed Year 12 Chemistry or equivalent take SLE155 and 1 cp elective (must be Science course grouped);

One approved Bachelor of Science major sequence of at least 6 credit points selected from:

- One of Animal Biology, Cell Biology, Genomics, Human Biology or Plant Biology
- Chemistry
- Environmental Science

Mathematical Modelling

- 5 credit points of Science course grouped elective units chosen from a second Bachelor of Science major listed above^
- 4 credit points selected from Education Electives List

### Master of Teaching (Secondary Studies)

- 7 core teaching units (8 credit points);
- 2 curriculum study units in first teaching specialist area;
- 2 curriculum study units in second teaching specialist area.
- Completion of 60 days of supervised professional experience and successful completion of the Deakin Teaching Performance Assessment.

\*These units contribute towards the course requirement of 60 days of supervised professional experience (refer to handbook for number of days required in each unit indicated).

Following successful completion of the first 3 undergraduate levels of the course, students with a Weighted Average Mark (WAM) above 60 progress to the postgraduate level of the course. Students cannot progress to the postgraduate level of study without completing all 24 credit points at undergraduate level. A WAM of less than 60 results in an alternative exit from D304 with award S320 Bachelor of Science.

A Working with Children Check and completion of CASPer selection is required before commencing school experience in Trimester 3 of Year 3.

Students wishing to pursue studies in Geography should discuss unit selections with their enrolment officer

### FOR USE ONLY WHEN UNDERTAKING A CONSULTATION WITH A STUDENT ADVISER:

Student ID: _____		Name: _____		
Deakin email: _____			Preferred contact no: _____	
Year commenced:	Period commenced:	eCOE (if applicable):	Campus: _____	Mode: _____
Student adviser: _____				Date: _____

### Notes

### GENERAL INFORMATION

This course map is a guide only. You must also ensure you meet the course rules and structure as set out in the official [University Handbook](#) of the year you commenced your course. This course map has been created to be used electronically.

Not all units are available in all study periods or mode of delivery.

- Full time study is typically three to four units (or credit points) each study period.
- Part time study is typically one to two units (or credit points) each study period – part time study will extend the duration of your studies.
- Trimester 3 is typically an optional study period - unless it's your first study period and/or a compulsory study period for your course.

Unit options can be found in the '[Advanced Unit Search](#)' in the most current year's University Handbook.

If you have applied for or received credit for units as recognition of prior learning (RPL), it may alter the units you need to study.

Please seek advice from a Student Adviser in StudentCentral if you have any queries or need help understanding your course structure and unit options.

### S320 BACHELOR OF SCIENCE MAJOR UNIT SETS

<b>ANIMAL BIOLOGY (MJ-S000064)</b>
<a href="#">SLE132 Biology: Form and Function</a>
<a href="#">SLE204 Animal Diversity</a>
<a href="#">SLE205 Vertebrate Structure and Function</a>
<a href="#">SLE307 Behavioural Ecology</a>
<a href="#">SLE350 Marine Wildlife</a>

[SLE370 Evolution](#)

[SLE397 Sensory Neurobiology and Behaviour](#)

Completion Rule

- Must pass 5 unit(s) in {SLE132, SLE204, SLE205, SLE350, SLE370}
- Must pass 1 unit(s) in {SLE307, SLE397}

#### CELL BIOLOGY AND GENOMICS (MJ-S000077)

[SLE206 Cell Biology](#)

[SLE212 Biochemistry](#)

[SLE254 Genetics and Genomics](#)

[SLE321 Molecular Biology Techniques](#)

[SLE339 Human Genetics and Genomics](#)

[SLE340 Genomes and Bioinformatics](#)

[SLE346 Molecular Basis of Disease](#)

Completion Rule

- Must pass 5 unit(s) in {SLE206, SLE212, SLE254, SLE321, SLE339}
- Must pass 1 unit(s) in {SLE340, SLE346}

#### CHEMISTRY (MJ-S000009)

[SLE210 Chemistry the Enabling Science](#)

[SLE213 The Analytical Chemist's Toolbox](#)

[SLE214 Organic Chemistry](#)

[SLE316 Analytical Chemistry and the Environment](#)

[SLE318 Synthetic and Medicinal Chemistry](#)

[SLE361 Inorganic Chemistry](#)

Completion Rule

- Must pass all unit(s) in {SLE210, SLE213, SLE214, SLE316, SLE318, SLE361}

Note(s): SLE210 Chemistry the Enabling Science has a pre-requisite of SLE155 Chemistry for the Professional Sciences.

#### ENVIRONMENTAL SCIENCE (MJ-S000011)

[SLE102 Physical Geography](#)

[SLE202 Landscape Evolution](#)

[SLE231 Hydrology and Water Resources Management](#)

[SLE239 Introduction to Geographic Information Systems](#)

[SLE322 Landscape Ecology](#)

[SLE395 Earth Environments and Climate Interpretation](#)

Completion Rule

- Must pass all unit(s) in {SLE102, SLE202, SLE231, SLE239, SLE322, SLE395}

## HUMAN BIOLOGY (MJ-S000068)

[SLE211 Principles of Physiology](#)

[SLE212 Biochemistry](#)

[SLE221 Systems Physiology](#)

[SLE254 Genetics and Genomics](#)

[SLE323 Advanced Topics in Biomedical Science](#)

[SLE339 Human Genetics and Genomics](#)

[SLE346 Molecular Basis of Disease](#)

### Completion Rule

- Must pass all unit(s) in {SLE211, SLE212, SLE221, SLE254, SLE323}
- Must pass 1 unit(s) in {SLE339, SLE346}

## MATHEMATICAL MODELLING (MJ-S000007)

[SIT192 Discrete Mathematics](#)

[SIT194 Introduction to Mathematical Modelling](#)

[SIT291 Mathematical Methods for Information Modelling](#)

[SIT292 Linear Algebra for Data Analysis](#)

[SIT396 Complex Analysis](#)

[SIT399 Optimization Modelling and Decision Analysis](#)

### Completion Rule

- Must pass all unit(s) in {SIT192, SIT194, SIT291, SIT292, SIT396, SIT399}

## PLANT BIOLOGY (MJ-S000070)

[SLE132 Biology: Form and Function](#)

[SLE203 Environmental Botany](#)

[SLE216 Bushfire Management](#)

[SLE237 Biogeography](#)

[SLE317 Australian Vegetation and Its Management](#)

[SLE332 Geographic Information Systems for Environmental Scientists](#)

### Completion Rule

- Must pass all unit(s) in {SLE132, SLE203, SLE216, SLE237, SLE317, SLE332}

## **Education Electives**

EDU201 Educational Psychology  
EDU202 Educators and Learners  
EDU203 Literacy, Numeracy and Education  
EDU301 Culture, Diversity and Participation in Education  
EDU302 Education and Humanitarian Development  
EDU303 Education, Communication and Technology

## **Secondary Curriculum Study Units**

All Secondary candidates will have two methods (disciplines) as reflected in their undergraduate major and minor sequences related to the Australian Curriculum.

Candidates undertake two curriculum studies units (as prescribed) per method (four units for dual/double), across one or two learning areas.

*Note: D304 permits a choice between learning areas 2 or 3 from the Secondary Curriculum learning areas of 1:English, 2:Mathematics, 3:Science, 4:Humanities, 5:Languages, 6:Health and PE, 7:The Arts.*

### **Learning Area 2: Mathematics**

Single method: Mathematics

ESM724 Mathematics Curriculum Inquiry  
ESM725 Mathematics Curriculum Inquiry Senior Years

### **Learning Area 3: Science**

Single method: One of Science, Biology, Chemistry, Env. Science

ESS744 Science Curriculum Inquiry

#### **Plus one of**

ESS742 Environmental Science Curriculum Inquiry Senior Years

ESS755 General Science Curriculum Inquiry Senior Years

ESS767 Biology Curriculum Inquiry Senior Years

ESS768 Chemistry Curriculum Inquiry Senior Years

#### **Dual method: Two of Science, Biology, Chemistry, Env. Science**

ESS741 Sustainability and Environmental Education

ESS744 Science Curriculum Inquiry

#### **Plus two of**

ESS742 Environmental Science Curriculum Inquiry Senior Years

ESS755 General Science Curriculum Inquiry Senior Years

ESS767 Biology Curriculum Inquiry Senior Years

ESS768 Chemistry Curriculum Inquiry Senior Years