

# 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 2021

Name:  Student ID:

Updated: 25/01/2021

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.

<b>YEAR 1</b> Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 2</b> Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 3</b> Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 4</b> Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

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

Student ID:		Name:			
Deakin email:		Preferred contact no:			
Year commenced:	eCOE (If applicable):	Campus:	Mode:	Date modified:	
Student Adviser:					

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## SCIENCE MAJOR SEQUENCES

<b>Animal Biology</b> (MJ-S000064)
SLE132 Biology: Form and Function
SLE204 Animal Diversity
SLE205 Vertebrate Structure and Function
SLE350 Marine Wildlife
SLE370 Evolution
SLE307 Behavioural Ecology <b>OR</b> SLE397 Sensory Neurobiology and Behaviour

<b>Chemistry</b> (MJ-S000009)
SLE210 Chemistry the Enabling Science *
SLE213 The Analytical Chemist's Toolbox
SLE214 Organic Chemistry
SLE361 Inorganic Chemistry
SLE316 Analytical Chemistry
SLE318 Synthetic and Medicinal Chemistry

\* prerequisite unit applies (SLE155 Chemistry for the Professional Sciences)

<b>Genomics</b> (MJ-S000075)
SLE234 Microbiology
SLE254 Genetics and Genomics
SLE228 Forensic Genomics
SLE340 Genomes and Bioinformatics
SLE321 Molecular Biology Techniques
SLE341 Ecological and Conservation Genetics

<b>Human Biology</b> (MJ-S000068)
SLE132 Biology: Form and Function
SLE254 Genetics and Genomics
SLE211 Principles of Physiology
SLE221 Systems Physiology
SLE323 Advanced Topics in Biomedical Science
SLE339 Human Genetics and Genomics <b>OR</b> SLE340 Genomes and Bioinformatics

<b>Cell Biology</b> (MJ-S000065)
SLE212 Biochemistry
SLE254 Genetics and Genomics
SLE206 Cell Biology
SLE222 Biochemical Metabolism
SLE346 Molecular Basis of Disease
SLE340 Genomes and Bioinformatics <b>OR</b> SLE321 Molecular Biology Techniques

<b>Environmental Science</b> (MJ-S000011)
SLE102 Physical Geography
SLE239 Introduction to Geographic Information Systems
SLE231 Hydrology and Water Resources Management
SLE202 Landscape Evolution
SLE342 Risk to Healthy Environments
SLE322 Landscape Ecology

<b>Mathematical Modelling</b> (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

<b>Plant Biology</b> (MJ-S000070)
SLE132 Biology: Form and Function
SLE203 Environmental Biology
SLE237 Biogeography (Tri-3)
SLE310 Pest Plants and Animals
SLE317 Australian Vegetation and Its Management
SLE370 Evolution

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## 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
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#### **Plus one of**

ESS767	Biology Curriculum Inquiry Senior Years
ESS768	Chemistry Curriculum Inquiry Senior Years
ESS742	Environmental Science Curriculum Inquiry Senior Years
ESS755	General Science Curriculum Inquiry Senior Years

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

ESS744	Science Curriculum Inquiry
ESS741	Sustainability and Environmental Education

#### **Plus two of**

ESS767	Biology Curriculum Inquiry Senior Years
ESS768	Chemistry Curriculum Inquiry Senior Years
ESS742	Environmental Science Curriculum Inquiry Senior Years
ESS755	General Science Curriculum Inquiry Senior Years

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**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:

AAI018 Academic Integrity (0-credit-point compulsory unit)

ELN010 LANTITE Australian Literacy Test (0-credit-point compulsory unit)

ELN011 LANTITE Australian Numeracy Test 0-credit-point compulsory unit)

SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point compulsory unit) and;

STP010 Career Tools for Employability (0 credit point unit)

## 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.

## 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 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.

## SPECIFIC COURSE INFORMATION

Compulsory zero (0) credit point units/programs/modules: AAI018 Academic Integrity (0-credit-point compulsory unit); ELN010 LANTITE Literacy (0-credit-point compulsory unit), ELN011 LANTITE Numeracy (0-credit-point compulsory unit)(0-credit-point compulsory unit), SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point compulsory unit) and STP010 Career Tools for Employability (0 credit point unit).

\*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

## KEY

- B** Melbourne Burwood Campus
- S** Geelong Waterfront Campus
- G** Geelong Warrn Ponds Campus
- W** Warrnambool Campus
- X** Cloud Campus

**eCOE** electronic confirmation of enrolment