

# S320 BACHELOR OF SCIENCE

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 1 2022

Last updated 25/08/2021

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: SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit points)  
AND STP050 Academic Integrity (0 credit points)  
AND STP010 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				

^Assumed knowledge: SLE133 Chemistry in our World or high achievement in VCE Chemistry 3 and 4 (or equivalent).

+Students must complete at least one Chemistry unit -SLE133 Chemistry in Our World OR SLE155 Chemistry for the Professional Sciences. An elective may be taken in the alternative Trimester.

SLE155 Chemistry for the Professional Sciences is a required prerequisite when undertaking the Cell Biology and Genomics, Human Biology and Chemistry majors.

Students must have successfully completed STP010 Career Tools for Employability (0-credit point unit) before commencing SLE352 Community Science Project.

### S320 COURSE RULES

- Must pass 24 credit points for course
- Must pass ALL units in {SLE010, STP010, STP050}
- Must pass ALL units in {SLE103, SLE111, SLE115, SLE123, SLE200, SLE209, SLE352}
- Must pass 1 units in {SIT190, SIT191}
- Must pass 1 units in {SLE133, SLE155}
- Must pass 6 credit points at level {3}
- Must pass 14 credit points at levels {2, 3}
- Must pass no more than 10 credit points at level {1}
- Must pass 1 unit set(s) in {Mathematical Modelling (MJ-S000007), Chemistry (MJ-S000009), Environmental Science (MJ-S000011), Animal Biology (MJ-S000064), Human Biology (MJ-S000068), Plant Biology (MJ-S000070), Cell Biology and Genomics (MJ-S000077)}

Note: Please note at least 4 of the level 3 units must be SLE (Science) units.

Students wishing to gain credit for a double major combination in the BSc cannot count more than 2 units in common for both majors.

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>
<a href="#">SLE370 Evolution</a>
<a href="#">SLE397 Sensory Neurobiology and Behaviour</a>

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 6 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 1 unit(s) in {SLE339, SLE346}
- Must pass 5 credit points in {SLE211, SLE212, SLE221, SLE254, SLE323}

## 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 6 unit(s) in {SLE132, SLE203, SLE216, SLE237, SLE317, SLE332}