S320 BACHELOR OF SCIENCE

FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT

FOR STUDENTS COMMENCING TRIMESTER 2 2025

Last updated 26/11/2024

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: DAI001 Academic Integrity and Respect At Deakin (0 credit points)
AND SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit points)
AND STP010 Career Tools for Employability (0 credit points)

YEAR 1 Year: 2025	Trimester 2	SLE123 Physics for the Life Sciences	SLE133 Chemistry in Our World	SIT191 Introduction to Statistics and Data Analysis OR SIT190 Introduction to Functions,	Elective Unit
	Trimester 3				
YEAR 2 Year: 2026	Trimester 1	SLE111 Cells and Genes	SLE103 Ecology and the Environment	SLE115 Essential Skills in Science	Elective Unit
	Trimester 2	SLE209 Science and Society	SLE155 Chemistry for the Professional Sciences ^	Science Major	Science Major
	Trimester 3				
YEAR 3 Year: 2027	Trimester 1	SLE200 Communicating Science Ideas	Elective Unit	Science Major	Science Major
	Trimester 2	Level 3 Elective	Level 3 Elective	Elective Unit	Elective Unit
	Trimester 3				
YEAR 4 Year: 2028	Trimester 1	SLE352 Community Science Project OR SLE301 Professional Practice	Level 3 Elective	Science Major	Science Major
	Trimester 2				
	Trimester 3				

Note:

^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 alternate Trimester.

SLE155 Chemistry for the Professional Sciences is a required pre-requisite when undertaking the Cell Biology and Genomics and Chemistry majors.

Students must have successfully completed STP010 Career Tools for Employability (0-credit point unit) before commencing SLE352 Community Science Project or SLE301 Professional Practice.

S320 COURSE RULES

- Must pass 24 credit points for course
- Must pass ALL units in {DAI001, SLE010, STP010}
- Must pass ALL units in {SLE103, SLE111, SLE115, SLE123, SLE200, SLE209}
- Must pass 1 units in {SIT190, SIT191}
- Must pass 1 units in {SLE133, SLE155}

- Must pass 1 units in {SLE301, SLE352}
- 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), Food Science (MJ-S000098)}

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

ANIMAL BIOLOGY (MJ-S000064)
SLE132 Biology: Form and Function
SLE204 Animal Diversity
SLE205 Vertebrate Structure and Function

SLE307 Behavioural Ecology
SLE350 Marine Wildlife
SLE370 Evolution
SLE397 Sensory Ecology

Completion Rule

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

Note(s)

Enrolment in a Trimester 3 study period is compulsory

CELL BIOLOGY AND GENOMICS (MJ-S000077)

HMM202 Molecular Diagnostics
SLE212 Biochemistry
SLE254 Genetics and Genomics
SLE339 Human Genetics and Genomics
SLE340 Genomes and Bioinformatics
SLE357 Advanced Cell Biology

Completion Rule

- Must pass 6 unit(s) in {HMM202, SLE212, SLE254, SLE339, SLE340, SLE357}

Note(s)

Note: SLE212 Biochemistry has a pre-requisite of SLE155 Chemistry for the Professional Sciences

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 Landscapes and Their Management
SLE231 Hydrology and Water Resources Management
SLE245 Marine Geographic Information Systems
SLE317 Australian Vegetation and Its Management
SLE395 Earth Environments and Climate Interpretation

Completion Rule

- Must pass all unit(s) in {SLE102, SLE202, SLE231, SLE245, SLE317, SLE395}

FOOD SCIENCE (MJ-S000098)
HSN010 Food and Nutrition Laboratory Safety
HSN106 Food Fundamentals
HSN204 Food Safety
HSN206 Food Analysis and Quality Assurance
HSN223 Sensory Evaluation of Food
HSN315 Food Manufacturing and Process Innovation
HSN320 Trends in Product Development

Completion Rule

- Must pass all unit(s) in {HSN010, HSN106, HSN204, HSN206, HSN223, HSN315, HSN320}

HUMAN BIOLOGY (MJ-S000068)
HBS109 Introduction to Anatomy and Physiology
SLE211 Principles of Physiology
SLE221 Systems Physiology
SLE254 Genetics and Genomics
SLE323 Applications of Biomedical Science
SLE339 Human Genetics and Genomics

Completion Rule

- Must pass 6 credit points in {HBS109, SLE211, SLE221, SLE254, SLE323, SLE339}

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}

Note(s)

Enrolment in a Trimester 3 study period is compulsory