

S320 BACHELOR OF SCIENCE

FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 2 2020

Last updated 23/06/2020

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

YEAR 1 Year: 2020	Trimester 2				
	Trimester 3				
YEAR 2 Year: 2021	Trimester 1				
	Trimester 2				
	Trimester 3				
YEAR 3 Year: 2022	Trimester 1				
	Trimester 2				
	Trimester 3				

YEAR 4 Year: 2023	Trimester 1				
	Trimester 2				
	Trimester 3				

Note: Students who have not completed Year 12 Chemistry or equivalent may choose to do SLE133 Chemistry in Our World in Trimester 1. Students who have completed Year 12 Chemistry or equivalent may choose to do SLE155 Chemistry for the Professional Sciences in Trimester 2. Only one of these units need to be completed, an elective needs to be taken in the alternative Trimester.

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 1 units in {SLE133, SLE155}
- Must pass ALL units in {SIT191, SLE103, SLE111, SLE123, SLE200, SLE209, 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), Cell Biology (MJ-S000065), Chemistry and Materials Science (MJ-S000066), Human Biology (MJ-S000068), Plant Biology (MJ-S000070), Geography (MJ-S000074), Genomics (MJ-S000075)}

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 advisor: _____				Date: _____	

S320 BACHELOR OF SCIENCE MAJOR UNIT SETS

ANIMAL BIOLOGY (MJ-S000064)
<p><u>SLE132 Biology: Form and Function</u> Trimester 2: Burwood (Melbourne), Waurnd Ponds (Geelong), Cloud (Online)</p>
<p><u>SLE204 Animal Diversity</u> Trimester 1: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>
<p><u>SLE205 Vertebrate Structure and Function</u> Trimester 2: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>
<p><u>SLE307 Behavioural Ecology</u> Trimester 3: Burwood (Melbourne)</p>
<p><u>SLE315 Marine Animal Physiology</u> Trimester 2: Cloud (Online)</p>
<p><u>SLE370 Evolution</u> Trimester 1: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>

Completion Rule

- Must pass 5 unit(s) in {SLE132, SLE204, SLE205, SLE307, SLE315}
- Must pass 1 unit(s) in {SLE370}

CELL BIOLOGY (MJ-S000065)
<p><u>SLE206 Cell Biology</u> Trimester 2: Burwood (Melbourne) Trimester 3: Waurnd Ponds (Geelong)</p>
<p><u>SLE212 Biochemistry</u> Trimester 1: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>
<p><u>SLE222 Biochemical Metabolism</u> Trimester 2: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>
<p><u>SLE254 Genetics and Genomics</u> Trimester 2: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>
<p><u>SLE321 Molecular Biology Techniques</u> Trimester 1: Burwood (Melbourne), Waurnd Ponds (Geelong)</p>

SLE340 Genomes and Bioinformatics
Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE346 Molecular Basis of Disease
Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

Completion Rule

- Must pass 5 unit(s) in {SLE206, SLE212, SLE222, SLE254, SLE346}
- Must pass 1 unit(s) in {SLE321, SLE340}

CHEMISTRY (MJ-S000009)

SLE210 Chemistry the Enabling Science
Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE213 Introduction to Spectroscopic Principles
Trimester 1: Waurm Ponds (Geelong)

SLE214 Organic Chemistry
Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE229 Introduction to Separation Science
Trimester 2: Waurm Ponds (Geelong)

SLE316 Analytical Chemistry
Trimester 1: Waurm Ponds (Geelong)

SLE318 Synthetic and Medicinal Chemistry
Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

Completion Rule

- Must pass 6 unit(s) in {SLE210, SLE213, SLE214, SLE229, SLE316, SLE318}

CHEMISTRY AND MATERIALS SCIENCE (MJ-S000066)

SLE210 Chemistry the Enabling Science
Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE212 Biochemistry
Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE214 Organic Chemistry
Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE235 Chemical Systems
Trimester 3: Burwood (Melbourne)

SLE330 Materials Chemistry
Trimester 1: Burwood (Melbourne)

SLE338 Electrochemistry for a Sustainable Future
Trimester 2: Burwood (Melbourne)

Completion Rule

- Must pass 6 unit(s) in {SLE210, SLE212, SLE214, SLE235, SLE330, SLE338}

ENVIRONMENTAL SCIENCE (MJ-S000011)

SHD301 Creating Sustainable Futures

<u>SLE102 Physical Geography</u> Trimester 2: Burwood (Melbourne), Cloud (Online)
<u>SLE202 Landscape Evolution</u> Trimester 1: Burwood (Melbourne)
<u>SLE231 Hydrology and Water Resources Management</u> Trimester 1: Burwood (Melbourne)
<u>SLE239 Introduction to Geographic Information Systems</u> Trimester 2: Cloud (Online)
<u>SLE322 Landscape Ecology</u> Trimester 1: Burwood (Melbourne)
<u>SLE342 Risks to Healthy Environments</u> Trimester 2: Cloud (Online)

Completion Rule

- Must pass 1 unit(s) in {SHD301, SLE342}
- Must pass 5 unit(s) in {SLE102, SLE202, SLE231, SLE239, SLE322}

GENOMICS (MJ-S000075)

<u>SLE228 Forensic Genomics</u> Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)
<u>SLE234 Microbiology</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)
<u>SLE254 Genetics and Genomics</u> Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)
<u>SLE321 Molecular Biology Techniques</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)
<u>SLE340 Genomes and Bioinformatics</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)
<u>SLE341 Ecological and Conservation Genetics</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

Completion Rule

- Must pass all unit(s) in {SLE228, SLE234, SLE254, SLE321, SLE340, SLE341}

GEOGRAPHY (MJ-S000074)

<u>AIG103 People and Place: An Introduction to Human Geography</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)
<u>AIG300 Australian Urban Geography: National and International Perspectives</u> Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)
<u>SLE102 Physical Geography</u> Trimester 2: Burwood (Melbourne), Cloud (Online)
<u>SLE202 Landscape Evolution</u> Trimester 1: Burwood (Melbourne)
<u>SLE237 Biogeography</u> Trimester 3: Burwood (Melbourne)
<u>SLE328 Oceans, Coasts and Climate Change</u>

Completion Rule

- Must pass all unit(s) in {AIG103, AIG300, SLE102, SLE202, SLE237, SLE328}

HUMAN BIOLOGY (MJ-S000068)

SLE132 Biology: Form and Function

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)

SLE211 Principles of Physiology

Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE221 Systems Physiology

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE254 Genetics and Genomics

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE323 Advanced Topics in Biomedical Science

Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE339 Human Genetics and Genomics

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong)

SLE340 Genomes and Bioinformatics

Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)

Completion Rule

- Must pass 1 unit(s) in {SLE339, SLE340}
- Must pass 5 credit points in {SLE132, SLE211, SLE221, SLE254, SLE323}

MATHEMATICAL MODELLING (MJ-S000007)

SIT192 Discrete Mathematics

Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)
Trimester 2: Burwood (Melbourne), Cloud (Online)

SIT194 Introduction to Mathematical Modelling

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)

SIT291 Mathematical Methods for Information Modelling

Trimester 1: Burwood (Melbourne), Cloud (Online)

SIT292 Linear Algebra for Data Analysis

Trimester 2: Burwood (Melbourne), Cloud (Online)

SIT396 Complex Analysis

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)

SIT399 Optimization Modelling and Decision Analysis

Trimester 1: Burwood (Melbourne), Cloud (Online)

Completion Rule

- Must pass 6 unit(s) in {SIT192, SIT194, SIT291, SIT292, SIT396, SIT399}

PLANT BIOLOGY (MJ-S000070)

SLE132 Biology: Form and Function

Trimester 2: Burwood (Melbourne), Waurm Ponds (Geelong), Cloud (Online)

SLE203 Environmental Botany

Trimester 1: Burwood (Melbourne)

<p><u>SLE237 Biogeography</u> Trimester 3: Burwood (Melbourne)</p>
<p><u>SLE310 Pest Plants and Animals</u> Trimester 1: Burwood (Melbourne)</p>
<p><u>SLE317 Australian Vegetation and Its Management</u> Trimester 2: Burwood (Melbourne)</p>
<p><u>SLE370 Evolution</u> Trimester 1: Burwood (Melbourne), Waurm Ponds (Geelong)</p>

Completion Rule

- Must pass 6 unit(s) in {SLE132, SLE203, SLE237, SLE310, SLE317, SLE370}

GENERAL INFORMATION

This course map is a guide only. You must, in addition to using this map, ensure you meet the course rules and structure as set out in the official University Handbook - of the year you commenced your course (deakin.edu.au/handbook). 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 - this is a typical enrolment pattern. Part time study is typically one to two units (or credit points) each study period - this enrolment pattern of study will extend the duration of your studies. Trimester 3 is typically an optional study period - unless it's your first and/or a compulsory study period for your course (see your course structure in the [Handbook](#)).

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

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

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