Science

Bachelor of Advanced Science (Honours) (3962)

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Information is [redacted]sites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Advanced Physics (PHYSC13962)

All students in Advanced Science (Honours) must complete an Honours year of 48 UoC.
In addition to the courses required for your major, students must also take , , and courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor. Students cannot complete a minor with the same name as their nominated major.

Stage 3 Electives:
PHYS2801 (S1,T1), PHYS3115 (S2, T3), PHYS3116 (S2,T3), PHYS3117 (S2,T3), PHYS3118 (S2, T2)

Please Note: Semester offerings are subject to change, please check the timetable

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Free Electives may be from Science or from any other Faculty at UNSW.

General Education courses cannot be Science courses, and Science students cannot take GENS courses for their General Education.

Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Single Degree ς

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in

Archaeology and Palaeoenvironments (ARCYA13962)

SCIF1121 (N/A) or SCIF1131 (S2)	GEOS1701	BIOS1101	GEOS1211	MATH1041	General Education	General Education	Free Elective
T1,T2	S2, Summer/T2	S2 / T2	S1/T1	S1, S2/T1,T2,T3			
BEES2041	GEOS2071	GEOS2021	Science Elective	Free Elective	Free Elective	Free Elective	Science Elective
S1/T1	S1/T1	S2/T2					
BIOS3221	GEOS3021	GEOS3071	GEOS3761	Science Elective	Science Elective	Science Elective	Science Elective
S2/T3	S2/T1	S1/T2	S2/T2				

Program Structure			
Major	66 UoC (11 courses)	156 UoC	192 UoC
SCIF1121 or SCIF1131	6 UoC (1 course)		
Science Electives	36 UoC (6 courses)		
Honours Year	48 UoC		
Free Electives	24 UoC (4 courses)	36 UoC	
General Education	12 UoC (2 courses)		

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take , , and courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment

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Progression check Student ID:_____

Name: _____

Date:_____Advisor: _____

_____UOC Completed

_____UOC Remaining

(Including any enrolled courses)

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Archaeology and Palaeoenvironments

SCIF1121 (N/A) or SCIF1131 (S2)	GEOS1701	BIOS1101	GEOS1211	MATH1041
T1,T3	S2, Summer/ T2	S2/T2	S1/T1	S1, S2/ T1,T2,T3
BEES2041	GEOS2071			
S1/T1	S1/T1			
BIOS3221	GEOS3021	GEOS3071	GEOS3761	
S2/T3	S2/TT1	S1/T2	S2/T2	

Major	
Honours Year	48 UoC

All students in Advanced Science must complete an Honours year of 48 UoC.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment

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Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Bioinformatics

All students in Advanced Science must complete an Honours year of 48 UoC.

Please be aware that students looking to do Bioinformatics in an Advanced Science dual degree will need to complete more than 96 UoC in order to satisfy the requirements of the major.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment

This is intended as a guide only. Courses do not need to be studied in the exact

General Education courses are not allowed in dual degree programs (GEN##### coded courses)

Single Degree ς 3962 Bachelor of Advanced Science (Honours)with a major in Biological Science (BIOSB13962)

Science Electives are courses taken from within the Faculty of Science, as defined by

Dual Degree ς Bachelor of Advanced Science (Honours)with a major in Biological Science

SCIF1121 (N/A) or SCIF1131 (S2)	BABS1201 (s1, Summer)	BIOS1101	BIOS1301	MATH1041	CHEM1011 (S1,S2/ T1, T2,T3) or CHEM1031 (S1, T1)
T1, T3	T1,t3	S2, T2	S1, T1	S1, S2/ T1,T2,T3	
BABS2264	BEES2041	BIOS2011	6 UoC from Stage 2 Electives	6 UoC from Stage 2 Electives	
S2/T3	S1/T1	S2/T2			
6 UoC of level 3 Biological Science courses	6 UoC of level 3 Biological Science courses	6 UoC of level 3 Biological Science courses	6 UoC of level 3 Biological Science courses	6 UoC of level 3 Biological Science courses	

Honours Year	48 UoC

All students in Advanced Science must complete an Honours year of 48 UoC.

Stage 2 Electives: BIOS2031 (S2, T3), BIOS2051 (S2, T3), BIOS2061 (S1, T2), GEOS2021 (S2, T2)

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Single Degree ς 3962 Bachelor of Advanced Science (Honours) with a major in Biotechnology (BIOTB13962)

Science Electives are courses taken from within the Faculty of Science, as defined by in the Online Handbook.

Free Electives may be from Science or from any

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Biotechnology

General Education courses are not allowed in dual degree programs (GEN##### coded courses)

This is intended as a guide only. Courses do not need

Single Degree ç 3962 Bachelor of Advanced Science (Honours) with a major in Chemistry (CHEMB13962)

SCIF1121 (N/A) or SCIF1131 (S2)	CHEM1031	CHEM1041	MATH1031 (S1, T1, T3) or MATH1131 (S1,S2) or MATH1141 (S1, T1, T3)	MATH1041 (S1,S2) or MATH1231 (Summer, S2) or MATH1241 (S2, T1, T2)	PHYS1111 (S1,S2, T1, T2) or PHYS1121 (S1,S2) or PHYS1131 (S1,S2)	General Education	General Education
T1,T3	S1, T1	S2, T2					
CHEM2011	CHEM2021	CHEM2031	CHEM2041	Free Elective	Free Elective	Free Elective	Free Elective
S1/ T2	S2 / T2	S2 / T3	S1, S2 / T1, T3				
6 UoC from Level III Chemistry	6 UoC from Level III Chemistry	6 UoC from Level III Chemistry	6 UoC from Level III course not already taken or from electives	Stage 3 Science Elective	Science Elective	Science Elective	Science Elective

Program Structure			
Major	78 UoC (13 courses)	156 UoC	192 UoC
SCIF1121 or SCIF1131	6 UoC (1 course)		
Science Electives	24 UoC (4 courses)		
Honours Year	48 UoC		
Free Electives	24 UoC (4 courses)	36 UoC	
General Education	12 UoC (2 courses)		

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take , , and courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor. Students cannot complete a minor with the same name as their nominated major.

Level III Chemistry: CHEM3011 (S1, T3), CHEM3021 (S1, T1), CHEM3031 (S1, T2), CHEM6041 (S2, T1)
Electives: CHEM3901 (S2, T3), CHEM6701 (S1, T1), CHEM6702 (S2, T2)

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Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Progression check Student ID:_____

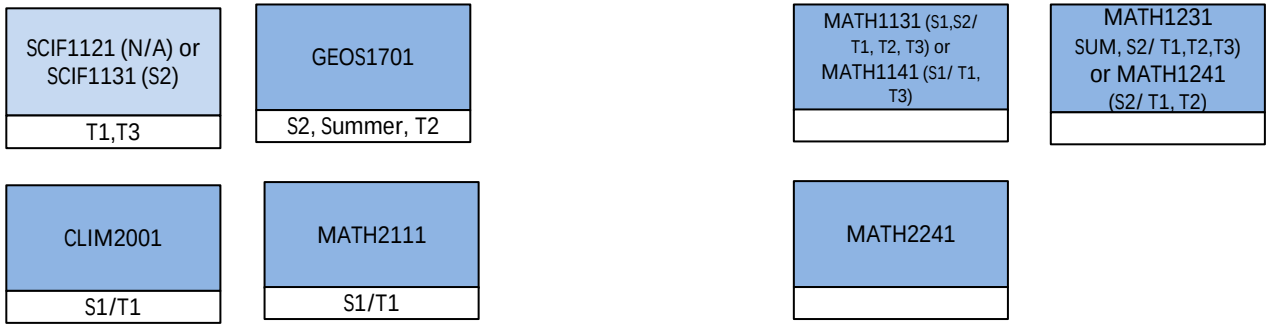
Name: _____

Date:_____Advisor: _____

_____UOC Completed

_____UOC Remaining

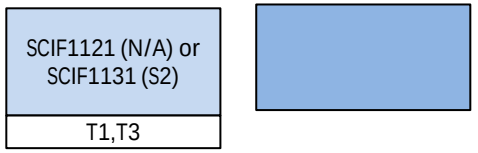
(Including any enrolled courses)



All students in Advanced Science must complete an Honours year of 48 UoC.

Stage 3 Electives:
MATH3041 (S1, T2), MATH3101 (S1, T3), MATH3121 (S2, T1), MATH3201 (S2, T2)

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Climate Systems Science



All students in Advanced Science must complete an Honours year of 48 UoC.

Stage 2 Electives: GEOS2241 (S2, T3), GEOS2291 (S2, T3), GEOS2711 (S2,T2), GEOS2821 (S1, T2), MATH2301 (S1, T1), MATH2901 (S1, T2)

Stage 3 Electives: CVEN3501 (S1), GEOS3761 (S2,T2), GEOS3821 (S2,T1), GEOS3921 (S2, T3)

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Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Earth Science (GEOLS13962)

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General Education courses cannot be Science

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Earth Science

All students in Advanced Science must complete an Honours year of 48 UoC.

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Ecology (BIOSA13962)

Double Degree ς Bachelor of Advanced Science (Honours)

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Geochemistry (

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Marine and Coastal Science (MSCIS13962)

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take

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Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Marine and Coastal Science

All students in Advanced Science must complete an Honours year of 48 UoC.

Recommended Electives: BIOS2011 (S2), GEOS2181 (S1), GEOS2291 (S2), GEOS2711 (S2), GEOS2821 (S1), BIOS3671 (S2), GEOS3281 (S1), GEOS3761 (S2), GEOS3811 (S1), GEOS3911 (S1), GEOS3921 (S2), MICR3071 (S1)

3962 Bachelor of Advanced Science (Honours) with a major in Materials Science (MATSB13962)

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take , , and courses. Students may use

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Free Electives may be from Science or from any other Faculty at UNSW.

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Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Materials Science

SCIF1121 N/A) or SCIF1131 (S2)	CHEM1011 (S1,S2/T1,T2,T3) or CHEM1031 (S1,T1)	MATH1131 (S1,S2/T1,T2,T3) or MATH1141 (S1,T1,T3)	MATH1231 (Summer, S2/T1,T2,T3) or MATH1241 (S2/T1,T2)	MATS1192 (S1,S2)	PHYS1121 (S1,S2) or PHYS1131 (S1,S2)
T1,T3				T1,T3	T1,T2,T3
MATS2001	MATS2003	MATS2004	MATS2006	MATS2008	
S1, T1	S1, T1	S2, T2	S2, T3	S1, T3	
MATS3001	MATS3002	MATS3004			
S1, T1	S1, T1	S2, T2			
Stage 3 Science Elective	Stage 3 Science Elective				

All students in Advanced Science must complete an Honours year of 48 UoC.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment

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Honours Year	

of Advanced Science (

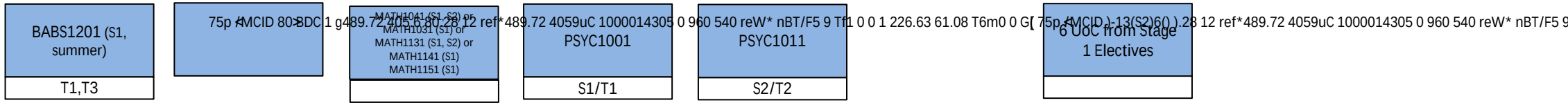
Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Microbiology

3962 Bachelor of Advanced Science (Honours) with a major in Neuroscience (NEURA13962)

Science Electives are courses taken from within the Faculty of Science, as defined by in the Online Handbook.

Free Electives may be from Science or from any other Faculty at UNSW.

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Neuroscience



Program Structure (Dual Degree Mode)			
Major	84 UoC (14 courses)	150 UoC	246 UoC
Stage 3 Science Electives	12 UoC (2 courses)		
Other Degree*	96 UoC (16 courses)		

Stage 1 Electives: BIOS1101 (S2,T2), CHEM1021 (S2, Summer/T1,T3) (or CHEM1041) (S2, T2), PSYC1111 (S2, T3)

Stage 2 Electives: PHAR2011 (S2,T3), PSYC2001 (S1,T1), PSYC2081 (S1,T2), ANAT2511 (S1,T3) (or ANAT2111)* (S1/S2/T1,T2)
*A grade of 65+ is required in ANAT2111 or ANAT2511 for enrolment in ANAT3411 in Stage 3.

Stage 3 Electives: ANAT3411 (S1,T1), NEUR3121 (S1,T1), PHAR3202 (S2,T2), PSYC3051 (S2,T2)

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UoC

Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Pathology (PATHB13962)

SCIF1121(N/A) or SCIF1131	BABS1201 (summer,S1)	BIOS1101	CHEM1011 (S1, S2/ T1,T2,T3) or CHEM1031 (S1/T1)	CHEM1021 (Summer, S2/T1,T3) or CHEM1041 (S2/T2)
T1,T3	T1,T3	S2, T2		
ANAT2241	BIOC2101	PATH2201		
S1, T2	S1, T2	S2, T3		

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take , , and courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor. Students cannot complete a minor with the same name as their nominated major.

Stage 2 Electives: ANAT2111 (S1/S2,T1,T2), BABS2202 (S2,T2), MICR2011 (S1,T1)

Stage 3 Electives: ANAT3212 (S2,T2), BABS3041 (S1,T1), PATH3207 (S2,T3), PATH3208 (S2, T3)

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Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Pathology

All students in Advanced Science must complete an Honours year of 48 UoC.

Stage 2 Electives: ANAT2111 (S1/S2,T1,T2), BABS2202 (S2,T2), MICR2011 (S1,T1)

Stage 3 Electives: ANAT3212 (S2,T2), BABS3041 (S1,T1), PATH3207 (S2,T3), PATH3208 (S2, T3)

This is intended as a guide only. Courses do not need to be studied in the exact

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Physical Geography

SCIF1121 (N/A) or SCIF1131 (S2)	BIOS1101		GEOS1701 (S2, summer)
T1,T3	S2/T2		T2

All students in Advanced Science must complete an Honours year of 48 UoC.

Stage 3 Electives:
GEOS3721 (S1,3), GEOS3731 (S2,T1, GEOS3761 (S2,T2), GEOS3811 (S1,T3), GEOS3821 (S2,T1), GEOS3911 (S1,T1), GEOS3921 (S2,T3)

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Dual Degree ς Bachelor of Advanced Science (Honours) with a

Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Psychology

SCIF1121 (S1) or SCIF1131 (S2)	PSYC1001	PSYC1011	PSYC1111	
	S1/T1	S2/T2	S2/T3	
PSYC2001	PSYC2061	PSYC2071	PSYC2081	PSYC2101
S1/T1	S1/T1	S2/T3	S1/T2	S2/T3
PSYC3001	PSYC3011	6 UoC from Elective Stream A	6 UoC from Elective Stream B	6 UoC from Elective Stream A or B
S1/T1	S2/T3			

Major	78 UoC (13 courses)
Science 014P0(()-3(S)6(e)5( )-13(014P0(()-3(S)6(e)5( )-3(	
Honours Year	48 UoC

All students in Advanced Science must complete an Honours year of 48 UoC.

Elective Stream A: PSYC3051 (S2,T2), PSYC3211 (S2,T1), PSYC3221 (S1,T1), PSYC3241 (S1,T1), PSYC3311 (S1,T3), PSYC3371 (S2,T3)

Elective Stream B: PSYC3121 (S2,T3), PSYC3141 (S1), PSYC3301 (S1,T2), PSYC3331 (S2,T3), PSYC3341 (S2,T2), PSYC3361 (S1/S2, T1,T2,T3)

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Please note: Semester offerings are subject to change, please check the timetable prior to planning your enrolment

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Single Degree ς 3962 Bachelor of Advanced Science (Honours)

with a major in Statistics (MATHK13962)

SCIF1121 (N/A) or SCIF1131 (S2)	MATH1141	MATH1241	Science Elective
T1,T3	S1, T1,T3	S2, T1,T2	

MATH2111	MATH2601	MATH2901	MATH2931
S1, T1	S1, T2	S1, T2	S2, T3

MATH3821	MATH3901	MATH3911	6 UoC From: MATH3831 (S1,T3) or MATH3841 (S2,T2) or MATH3851 (S2,T2) or MATH3871 (S1,T3)	Stage 3 Science Elective
S2, T2	S1, T1	S1, T1		

Major	60 UoC (10 courses)
Honours Year	48 UoC

All students in Advanced Science must complete an Honours year of 48 UoC.

In addition to the courses required for your major, students must also take , , and courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor. Students cannot complete a minor with the same name as their nominated major.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment

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Single degree ς 3962 Bachelor of Advanced Science (Honours) with a major in Vision Science (VISNA13962)

All students in Advanced Science must complete an Honours year of 48 UoC.

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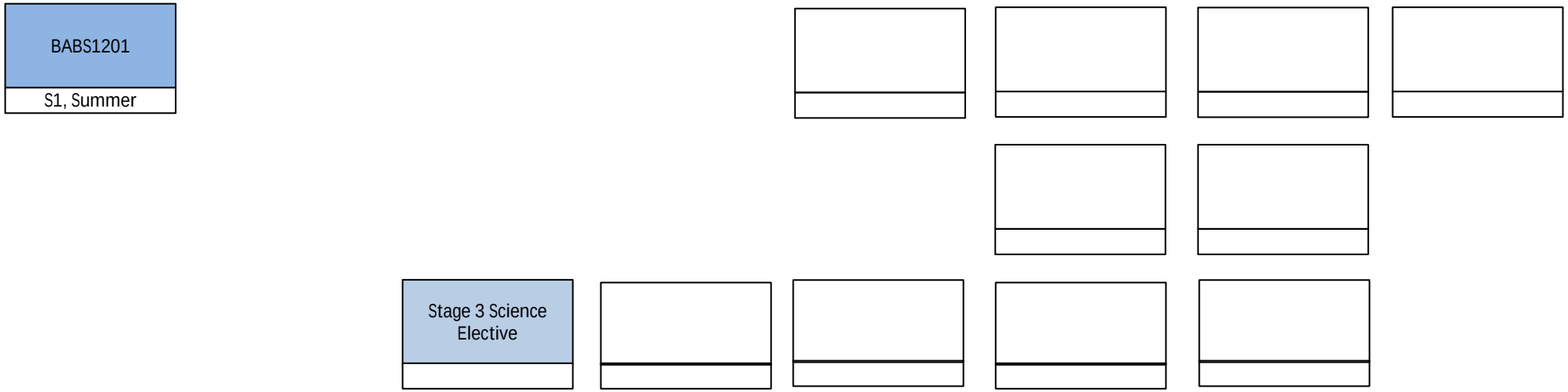
Dual Degree ς Bachelor of Advanced Science (Honours) with a major in Vision Science



Note: With recent changes to the offering of Optometry, which has now changed to the Bachelor of Vision Science/Master of Clinical Optometry, the Vision Science major will no longer be used as an alternative entry pathway into Optometry. Students enrolled in the Vision Science major will need to apply for internal transfer to the Bachelor of Vision Science, complete its study plan and apply for alternative entry into the Master of Clinical Optometry at the completion of the study plan. Please refer to 3181 for transition arrangements for students currently enrolled in the Vision Science major.

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. Please consult with your other faculty for ideal structure of your other program.

In addition to the courses required for your major, students must also take to make a total of 96 UoC.

Science Electives are courses taken from within the Faculty of Science, as defined by in the