# Bachelor of Science/Education (Secondary) 4076



### Term 3 2022 Commencing Students

Science Major	Sample program satisfies NESA Accreditation for the following teaching areas in NSW Secondary Schools	Page			
Biology	Biology (Year 11 & 12)	2			
Chemistry	Chemistry (Year 11 & 12)	3			
Ecology	Earth & Environmental Science (Year 11& 12)	4			
Geography	EITHER Geography (Year 7-12) OR Earth & Environmental Science (Year 11 & 12)	5			
	Option 1 of 2 - Biology (Year 11 & 12)	6			
Pathology	Option 2 of 2 - Chemistry (Year 11 & 12) AND Biology (Year 11 & 12)	7			
Physics	Physics (Year 11 & 12)	8			
	Option 1 of 2 - Biology (Year 11 & 12)	9			
Physiology	Option 2 of 2 - Chemistry (Year 11 & 12) AND Biology (Year 11 & 12)	10			
s	Students who follow any of the <u>above</u> sample programs will also be approved to teach Science (Year 7-10) by NSW Department of Education				
Students who follow any of the above sample programs can also choose to use their Science Electives to complete additional courses required to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12), please see notes on individual sample programs					
Nach analis for Education	Mathematics (Year 7-12)	11			
Mathematics for Education	Mathematics (Year 7-12) AND Physics (Year 11 & 12)	12			

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#### Term 3 2022 Commencing Students – Biology Major

Teaching Areas: Biology (Year 11 & 12) AND Investigating Science (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

Term 2

EDST1108

BIOS1101

Term 3 Science

Elective

**MATH1041** 

NOTES

	Term 1	Term 2	Term 3
.1			EDST1101
Year			BABS1201
			BEES1041

Term 2

EDST6760

EDST6952 or

EDST6958\*

EDST6956

Term 1

EDST4084

EDST6922

EDST6926

4 Year

BEES1041		Level 2 Biology Elective			Bi	evel 2 ology ective
Term 3		Term 1		Term 2	2	
EDST4080		EDST4096		EDST67 (12uoc		
Level 3 Biology Elective	Year 5	Science Electiv	e	Cannot be s concurrently another co	tudied y with	
		Level 3 Biology Elective	y			

Term 1

EDST1104

BIOS1301

2 Year

	Term 1	Term 2	Term 3
	EDST2003	Education Elective	EDST2002
Year 3	BEES2041	Science Elective	BIOS3171
	Level 2 Biology Elective	Level 3 Biology Elective	

\*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:

CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)

AND PHYS1111 (T1, T3) OR PHYS1121^ (T1, T2, T3)

^If PHYS1121 is chosen, students must also complete the co-requisite MATH1131 (T1, T2, T3) as a Prescribed Science Elective either before or concurrently with PHYS1121

# **Bachelor of Science/Education** (Secondary) 4076



Teaching Areas: Chemistry (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3	] [		Term 1	Term 2	Т	erm 3			Term 1	Term 2	Term 3
T.			EDST1101		2	EDST1104	EDST1108	PHY	/S1111 /S1121  YS113	or	3	EDST2003	CHEM2011	EDST2002
Year			MATH1031 or 1131 or 1141		Year	CHEM1021or CHEM1041 (T2)	Science Elective		EM204		Year 3	Science Elective	CHEM2021	CHEM2031
			CHEM1011 or CHEM1031 (T1)			MATH1041 or 1231 or 1241			cience lective				Level 3 Chemistry Elective	Education Elective
	Term 1	Term 2	Term 3			Term 1	Term 2							
	EDST4084	EDST6760	EDST4080			EDST4096	EDST6765	5				wish to satisfy NESA Science (Year 11 & 12)		
4	20014004	20010/00			ഹ		(12uoc) Cannot be stu	died		EDST69	52 and	will use their Science		
Year	EDST6922	EDST6952 or EDST6958*	Level 3 Chemistry Elective		Year	Level 3 Chemistry Elective	concurrently another cour	with	NOTES		01 (T2)	OR BABS1201 (T1, T3	, , , ,	· · /
	EDST6925	EDST6955				Level 3 Chemistry Elective				OR GEC	S2821	I (T1) OR GEOS1701 (T (T2) OR GEOS2021 (T	2) OR GEOS2241 (T3)	

At least one of the above must be a Level 2 course



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Teaching Areas: Earth & Environmental Science (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3
1			EDST1101
Year 1			MATH1041
			BEES1041

	Term 1	Term 2	Term 3
ır 2	EDST1104	EDST1108	Level 2 Ecology Elective
Year	BIOS1301	BIOS1101	Science Elective
	Science Elective	GEOS1701	

	Term 1	Term 2	Term 3
3	EDST2003	GE0S2711	EDST2002
Year	BEES2041	Education Elective	BIOS3061
	BIOS2011		BIOS6671

	Term 1	Term 2	Term 3
4	EDST4084	EDST6760	EDST4080
Year	EDST6922	EDST6952 or EDST6958*	Science Elective
	EDST6924	EDST6954	

	Term 1	Term 2	
	EDST4096	EDST6765 (12uoc)	
Year 5	BIOS3601	Cannot be studied concurrently with another course	
	Level 3 Ecology Elective		

\*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:

CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)

NOTES

AND PHYS1111 (T1, T3) OR PHYS1121^ (T1, T2, T3)

^lf PHYS1121 is chosen, students must also complete the co-requisite MATH1131 (T1, T2, T3) as a Prescribed Science Elective either before or concurrently with PHYS1121



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### Term 3 2022 Commencing Students – Geography Major

Teaching Areas: EITHER Earth & Environmental Science (Year 11 & 12) OR Geography (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

Term 1	Term 2	Term 3
		EDST1101
		MATH1041^
		BEES1041
	Term 1	Term 1 Term 2

	Term 1	Term 2	Term 3
2	EDST1104	EDST1108	Science Elective
Year 2	BIOS1301	GEOS1701	GE0S2721
		Science Elective	Level 2 Geography Elective

Year 3	Term 1	Term 2	Term 3
	EDST2003	GEOS2821	EDST2002
	GEOS3911	GEOS3761	Education Elective
	BEES2041	GE0S2711	

Year 4	Term 1	Term 2	Term 3
	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952 or EDST6958*	GEOS3921
	EDST6924 or EDST6706	EDST6954 or EDST6736	

Year 5	Term 1	Term 2	
	EDST4096	EDST6765 (12uoc)	
	Science Elective	Cannot be studied concurrently with another course	
	Level 3 Geography Elective		

NOTES

*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:
PHYS1111 (T1, T3) OR PHYS1121^ (T1, T2, T3)
AND BIOS2500 (T2) OR BEES2741 (T2)
AND CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)
<sup>A</sup> If PHYS1121 is chosen from the above options, students must complete the co-requisite MATH1131 (T1, T2, T3), in place of MATH1041, either before or concurrently with PHYS1121

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## Term 3 2022 Commencing Students - Pathology Major - Option 1 of 2

Teaching Areas: Biology (Year 11 & 12) AND Chemistry (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3
.1			EDST1101
Year			CHEM1011 or CHEM1031 (T1)
			BABS1201

	Term 1	Term 2	Term 3
- 2	EDST1104	EDST1108	Science Elective
Year	CHEM1021 or CHEM1041 (T2)	BIOC2181 or BIOC2101	PATH2201
	Science Elective	ANAT2241	

	Term 1	Term 2	Term 3
	EDST2003	PATH3206	EDST2002
Year 3	Science Elective	BIOS1101	Science Elective
	Level 2 Pathology Elective		Education Elective

Year 4	Term 1	Term 2	Term 3
	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952 or EDST6958*	Level 3 Pathology Elective
	EDST6926	EDST6956	

	Term 1	Term 2	
	EDST4096	EDST6765 (12uoc)	
Year 5	Science Elective	Cannot be studied concurrently with another course	
	PATH3205		

	*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:
ĺ	BIOS1301 (T1) OR GEOS1701 (T2) OR GEOS1211 (T1)
	AND PHYS1111 (T1, T3) OR PHYS1121^ (T1, T2, T3)
	<sup>A</sup> If PHYS1121 is chosen, students must also complete the co- requisite MATH1131 (T1, T2, T3) as a Prescribed Science Elective either before or concurrently with PHYS1121

NOTES

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## Term 1 2022 Commencing Students - Pathology Major - Option 2 of 2

Teaching Areas: Biology (Year 11 & 12) AND Chemistry (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3
1			EDST1101
Year			CHEM1011 or CHEM1031 (T1)
			BABS1201

	Term 1	Term 2	Term 3
- 2	EDST1104	EDST1108	Science Elective
Year	CHEM1021or CHEM1041 (T2)	BIOC2181 or BIOC2101	PATH2201
	MATH1XXX <sup>^</sup>	ANAT2241	

	Term 1	Term 2	Term 3		
	EDST4084	EDST6760	EDST4080		
Year 4	EDST6922	EDST6952 or EDST6958*	Science Elective		
	EDST6927	EDST6957			

	Term 1	Term 2					
	EDST4096	EDST6765 (12uoc)					
Year 5	Level 3 Pathology Elective	Cannot be studied concurrently with another course					
	Science Elective						

	Term 1	Term 2	Term 3
	EDST2003	BIOS1101	EDST2002
Year 3	PATH3205	PATH3206	Education Elective
	Level 2 Pathology Elective	Science Elective	

	Students <i>must</i> complete the following courses as Science Electives, to satisfy NESA accreditation requirements for Chemistry (Year 11 & 12):							
	CHEM2041 (T1, T3) ( <sup>*</sup> students must complete a level 1 MATH course as a Science Elective as a prerequisite for CHEM2041)							
NOTES	<b>AND</b> 6uoc Level 3 Chemistry – good options is CHEM6041 (T2) to round out your Chemistry knowledge.							
	*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:							
	BIOS1301 (T1) or GEOS1701 (T2) OR GEOS1211 (T1)							
	<b>AND</b> PHYS1111 (T1, T3)							

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### Term 3 2022 Commencing Students – Physics Major

Teaching Areas: Physics (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3
1			EDST1101
Year			MATH1131 or MATH1141
			PHYS1121 or PHYS1131 or PHYS1141 (T1)

	Term 1	Term 2	Term 3		
2	EDST1104	EDST1108	MATH2069		
Year	PHYS1221 or PHYS1231 or PHYS1241 (T3)	MATH2089	Science Elective		
	MATH1231 or MATH1241	Science Elective			

	Term 1	Term 2	Term 3		
e	EDST2003	PHYS3111	EDST2002		
Year 3	PHYS2111	PHYS2114	Level 2 or 3 Physics Elective		
	Science Elective		Education Elective		

	Term 1	Term 2	Term 3				
4	EDST4084	EDST6760	EDST4080				
Year	EDST6922	EDST6952 or EDST6958*	Level 2 or 3 Physics Elective				
	EDST6923	EDST6953					

	Term 1	Term 2					
	EDST4096	EDST6765 (12uoc)					
Year 5	PHYS3112	Cannot be studied concurrently with another course					
	PHYS3113						

	*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and will use their Science Electives to complete the following courses:
)	BIOS1101 (T2) OR BABS1201 (T1, T3) OR BABS1202 (T2) OR BIOS2500 (T2) OR BEES2741 (T2)
2	AND CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)
	AND BIOS1301 (T1) OR GEOS 1701 (T2) OR GEOS1211 (T1) CLIM2001 (T1) OR GEOS2821 (T2) OR GEOS2021 (T2) OR GEOS2241 (T3) OR GEOS2291 (T3)
	At least one of the above must be a Level 2 course

NOTES

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## Term 3 2022 Commencing Students - Physiology Major - Option 1 of 2

Teaching Areas: Biology (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

		Term 1	Term 2	Term 3	Term 3 Term 1		Term 2	Term 3			Term 1	Term 2	Term 3	
	_			EDST1101	2	EDST1104	EDST1108	Science Elective		m	EDST2003	Level 3 Physiology Elective	EDST2002	
Vee	JPal				Year	CHEM1011 or CHEM1031	Level 1 Physiology Elective	vsiology Physiology		Year	PHSL2101	PHSL2201	Level 3 Physiology	
				MATH1031 or MATH1041 or MATH1131 or MATH1141		Science Elective		Level 2 Physiology Elective	у		Science Elective		Elective Education Elective	
					1	Term 1	Term 1 Term 2		[		*Students who wish to satisfy NESA accreditation requirements for Investigating Science (Year 11 & 12) will complete EDST6958 in			
		Term 1	Term 2	Term 3		EDST4096						(Year 11 & 12) will con id will also complete th		
		EDST4084	EDST6760	EDST4080		ED314090	EDST6765 (12uoc				BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1) (as Science Elective)			
	<del>,</del>				 		concur	be studied rently with		ES	AND PHYS1111 (T1, T	3) or PHYS1121^ (T1.	T2, T3) (can count as	
	rear	EDST6922	EDST6952 or EDST6958*	Science Elective	Veal	Science Elect	ive anoth	another course		NOTES	Science Elective or Level 1 Physiology Elective) AND BIOC2101 (T2) or BIOC2181 (T2) (can count as Science			
		EDST6926	EDST6956			Level 3 Physio Elective	logy				Elective or Level 2 Physiology Elective) ^If PHYS1121 is chosen, students must complete the co-requisite MATH1131 (T1, T2, T3) as a Science Elective either before or concurrently with PHYS1121			

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## Term 3 2022 Commencing Students - Physiology Major - Option 2 of 2

Teaching Areas: Biology (Year 11 & 12) AND Chemistry (Year 11 & 12) AND Science (Year 7-10) (see table of contents for more details)

	Term 1	Term 2	Term 3	[		Term 1	T€	erm 2	Term 3 Science Elective				Term 1	Term 2	Term 3	
r 1			EDST1101		2	EDST1104	EDS	ST1108				m	EDST2003	Lvl 3 Physiology Elective	EDST2002	
Year			BABS1201		Year 2	MATH1031 or MATH1041 or MATH1131 or	Phy	evel 2 Level 2 rsiology Physiology ective Elective				Year	PHSL2101	PHSL2201	Lvl 3 Physiology	
			CHEM1011 or CHEM1031 (T1)			MATH1141		evel 1					Science	Science	Elective	
				'		Science Elective		siology ective					Elective	Elective		
	Term 1 Term 2 Term 3								requirements for Chemistry (Year 11 & 12):							
	Termini	Term 2	Term 5			Term 1		Term 2				6uoc Level 1 Chemistry (as Science Elective or Level 1 Physiology Core or Elective) AND CHEM2041 (as Science Elective)				
	EDST4084	EDST6760	EDST4080			EDST4096		EDST6765 (12				AND 6uoc Level 3 Chemistry – good option is CHEM6041 (T2) to round out your Chemistry knowledge. (as Science Elective)				
Year 4					٦ ٦		Cannot be studied concurrently with				IES	Sci	*Students who wish to satisfy NESA accreditation requirements for Investig Science (Year 11 & 12) will complete EDST6958 in place of EDST6952 and v			
Ye	EDST6922	EDST6952 or EDST6958*	Education Elective		Yea	Science Elective					NOTE	BIO	also complete the following courses: BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1) (as Science Elective)			
													<u>D</u> PHYS1111 (T1, T3) or P L <b>evel 1 Physiology Elective</b>		n count as Science Elective	
	EDST6927	EDST6957				Lvl 3 Physiolo Elective	ogy						<u>D</u> BIOC2101 (T2) or BIOC2 <b>/siology Elective)</b>	181 (T2) (can count as Sc	ience Elective or Level 2	
													PHYS1121 is chosen, stud as a Science Elective eith		quisite MATH1131 (T1, T2, with PHYS1121	

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Teaching Areas: Mathematics (Year 7-12) (see table of contents for more details)

	Term 1	Term 2	Term 3
.1			EDST1101
Year			Science Elective
			MATH1131 or MATH1141

	Term 1	Term 2	Term 3
- 2	EDST1104	EDST1108	MATH2521 or MATH2621
Year	MATH1231 or MATH1241	MATH2801 or MATH2901	MATH1081
	Science Elective		Science Elective

Term 2

EDST6765 (12uoc) Cannot be studied concurrently with another course

	Term 1	Term 2	Term 3
3	EDST2003	MATH2501 or MATH2601	EDST2002
Year	MATH2011 or MATH2111	MATH2121 or MATH2221	Science Elective
	Science Elective		Education Elective

		Term 1	Term 2	Term 3			Term 1
		EDST4084	EDST6760	EDST4080			EDST4096
	4					ы	
Year	Year	EDST6725	EDST6755	MATH3511 or MATH3531 or MATH3701	Year	MATH3560 & MATH3570	
		EDST6726	EDST6756				Level 3 MATH



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## Term 3 2022 Commencing Students - Mathematics for Education Major

Teaching Areas: Mathematics (Year 7-12) AND Physics (Year 11 & 12) (see table of contents for more details)

	Term 1	Term 2	Term 3
1			EDST1101
Year			PHYS1121*
			MATH1131 or MATH1141

Year 2	Term 1	Term 2	Term 3	
	EDST1104	EDST1108	MATH2521 or MATH2621	
	MATH1231 or MATH1241	MATH2121 or MATH2221	MATH1081	
		MATH2801 or MATH2901	PHYS1221*	

Year 3	Term 1	Term 2	Term 3
	EDST2003	PHYS2114*	EDST2002
	MATH2011 or MATH2111	MATH2501 or MATH2601	PHYS3116*
	PHYS2111*		Education Elective

Year 4	Term 1	Term 2	Term 3
	EDST4084	EDST6760	EDST4080
	EDST6725	EDST6755	MATH3511 or MATH3531 or MATH3701
	EDST6923	EDST6953	

Year 5	Term 1	Term 2
	EDST4096	EDST6765 (12uoc)
	MATH3560 & MATH3570	Cannot be studied concurrently with another course
	Level 3 MATH	

*In addition to the regular requirements for the Mathematics for
Education major, students will use their Science Electives to
complete the Physics courses identified, to satisfy NESA
accreditation requirements for Physics (Year 11 & 12)

NOTES

Substitutions are not allowed unless approved by the Bachelor of Education Program Director.