Arts & Social Sciences

Bachelor of Science/Education (Secondary) 4076

SYDNEY

T3 2021 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
Pathology	Option 1 of 2 - Biology (Year 11 & 12)	6
	Option 2 of 2 - Chemistry (Year 11 & 12) AND Biology (Year 11 & 12)	7
Physics	Physics (Year 11 & 12)	8
Physiology	Option 1 of 2 - Biology (Year 11 & 12)	9
	Option 2 of 2 - Chemistry (Year 11 & 12) AND Biology (Year 11 & 12)	10

Students who follow any of the above 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

Mathematics for Education	Mathematics (Year 7-12)	11
	Mathematics (Year 7-12) AND Physics (Year 11 & 12)	12

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T3 2021 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 1	Term 2	Term 3
Year 1			EDST1101
			BABS1201
			Science Elective

	Term 1	Term 2	Term 3
Year 2	EDST1104	EDST1108	MATH1041
	BIOS1301	BIOS1101	Level 2 Biology Elective
	Science Elective		Level 2 Biology Elective

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

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

	Term 1	Term 2
Year 5	EDST4096	EDST6765 (12 UOC) *Cannot be studied concurrently with another course*
	Level 3 Biology Elective	
	Level 3 Biology 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:

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

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T3 2021 Commencing Students – Chemistry Major

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

	Term 1	Term 2	Term 3
Year 1			EDST1101
			MATH1031 or 1131 or 1141
			CHEM1011 or CHEM1031 (T1)
Year 2	EDST1104	EDST1108	PHYS1111 or PHYS1121 or PHYS1131
	CHEM1021or CHEM1041 (T2)	Science Elective	CHEM2041
	MATH1041 or 1231 or 1241		Science Elective
Year 3	EDST2003	CHEM2011	EDST2002
	Science Elective	CHEM2021	CHEM2031
		Level 3 Chemistry Elective	Education Elective
Year 4	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952 or EDST6958*	Level 3 Chemistry Elective
	EDST6925	EDST6955	

	Term 1	Term 2
Year 5	EDST4096	EDST6765 (12 UOC) *Cannot be studied concurrently with another course*
	Level 3 Chemistry Elective	
	Level 3 Chemistry 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:

BIOS1101 (T2) OR BABS1201 (T1, T3) OR BIOS2500 (T2) OR BEES2741 (T2)

AND BIOS1301 (T1) OR GEOS1701 (T2) OR GEOS1211 (T1) OR 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

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T3 2021 Commencing Students – Ecology Major

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
Year 1			EDST1101
			MATH1041
			Science Elective

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

	Term 1	Term 2	Term 3
Year 3	EDST2003	GEOS2711	EDST2002
	BEES2041	Education Elective	BIOS3061
	BIOS2011		BIOS6671

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

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

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

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T3 2021 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
Year 1			EDST1101
			MATH1041^
			Science Elective

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

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

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

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

^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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T3 2021 Commencing Students – Pathology 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
Year 1			EDST1101
			CHEM1011 or CHEM1031 (T1)
			BABS1201

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

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

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

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

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:

BIOS1301 (T1) OR GEOS1701 (T2) OR GEOS1211 (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

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T3 2021 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
Year 1			EDST1101
			CHEM1011 or CHEM1031 (T1)
			BABS1201

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

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

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

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

Notes

Students ***must*** complete the following courses as Science Electives, to satisfy NESA accreditation requirements for Chemistry (Year 11 & 12):

CHEM2041 (T1, T3) (^students must complete a level 1 MATH course as a Science Elective as a prerequisite for CHEM2041)

AND 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)

AND PHYS1111 (T1, T3)

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T3 2021 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
Year 1			EDST1101
			MATH1131 or MATH1141
			PHYS1121 or PHYS1131 or PHYS1141 (T1)

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

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

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

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

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:

BIOS1101 (T2) OR BABS1201 (T1, T3) OR BABS1202 (T2) OR BIOS2500 (T2) OR BEES2741 (T2)

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

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T3 2021 Commencing Students – Physiology Major – Option 1 of 1

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

	Term 1	Term 2	Term 3
Year 1			EDST1101
			BABS1201
			MATH1031 or MATH1041 or MATH1131 or MATH1141

	Term 1	Term 2	Term 3
Year 2	EDST1104	EDST1108	Science Elective
	CHEM1011 or CHEM1031	Level 1 Physiology Elective	Level 2 Physiology Elective
	Science Elective		Level 2 Physiology Elective

	Term 1	Term 2	Term 3
Year 3	EDST2003	Level 3 Physiology Elective	EDST2002
	PHSL2101	PHSL2201	Level 3 Physiology Elective
	Science Elective		Education Elective

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

	Term 1	Term 2
Year 5	EDST4096	EDST6765 (12 UOC) *Cannot be studied concurrently with another course*
	Science Elective	
	Level 3 Physiology 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 also complete the following courses:

BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1) ***(as Science Elective)***

AND PHYS1111 (T1, T3) or PHYS1121^ (T1, T2, T3) ***(can count as Science Elective or Level 1 Physiology Elective)***

AND BIOC2101 (T2) or BIOC2181 (T2) ***(can count as Science 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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T3 2021 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
Year 1			EDST1101
			BABS1201
			CHEM1011 or CHEM1031 (T1)
Year 2	EDST1104	EDST1108	Science Elective
	MATH1031 or MATH1041 or MATH1131 or MATH1141	Level 2 Physiology Elective	Level 2 Physiology Elective
	Science Elective	Level 1 Physiology Elective	
Year 3	EDST2003	Lvl 3 Physiology Elective	EDST2002
	PHSL2101	PHSL2201	Lvl 3 Physiology Elective
	Science Elective	Science Elective	

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

	Term 1	Term 2
Year 5	EDST4096	EDST6765 (12 UOC) *Cannot be studied concurrently with another course*
	Science Elective	
	Lvl 3 Physiology Elective	

Notes

Students *must* complete the following courses, to satisfy NESA accreditation requirements for Chemistry (Year 11 & 12):

6uoc Level 1 Chemistry ***(as Science Elective or Level 1 Physiology Core or Elective)***

AND CHEM2041 ***(as Science Elective)***

AND 6uoc Level 3 Chemistry – good option is CHEM6041 (T2) to round out your Chemistry knowledge. ***(as Science Elective)***

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

BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1) ***(as Science Elective)***

AND PHYS1111 (T1, T3) or PHYS1121^ (T1, T2, T3) ***(can count as Science Elective or Level 1 Physiology Elective)***

AND BIOC2101 (T2) or BIOC2181 (T2) ***(can count as Science Elective or Level 2 Physiology Elective)***

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

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T3 2021 Commencing Students – Mathematics for Education Major

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

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

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

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

	Term 1	Term 2	Term 3
Year 4	EDST4084	EDST6760	EDST4080
	EDST6725	EDST6755	MATH3511 or MATH3531 or MATH3701
	EDST6726	EDST6756	

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

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T3 2021 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
Year 1			EDST1101
			PHYS1121*
			MATH1131 or MATH1141

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

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

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

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

Notes

*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)

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