

# Bachelor of Science/ Education 4076



## Term 1 2020 Commencing Students – Biology Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	BIOS1101	Science (7-12) core: Phys Level 1
	BIOS1301	MATH1041	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science Elective	EDST2002
	Science (7-12) core: EES Level 2 – BEES2041	Biology Elective Level 2	Science (7-12) core: Bio Level 2 – BABS2204
	Science (7-12) core: Chem Level 1		Biology Elective Level 2

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Biology Elective Level 3
	EDST6926	EDST6956	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	Biology Elective Level 3	Biology Elective Level 3	
	Biology Elective Level 3	Biology Elective Level 3	

\* In addition to the regular requirements for the Biology major, the following courses must be included to satisfy the teacher accreditation authority:

1. CHEM1011 (T1, T2, T3) or CHEM1031 (T1) 2. PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3).

If PHYS1121 is chosen, students must complete the co-requisite MATH1131 (T1, T2, T3) as their Prescribed Science Elective.

Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12 and Biology in Year 11 and 12 in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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## Term 1 2020 Commencing Students – Ecology Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BIOS1301	BIOS1101	Science (7-12) core: Phys Level 1
	MATH1041	GEOS1701	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science (7-12) core: Bio Level 2 - BIOS2011	EDST2002
	BEES2041	Science (7-12) core: EES Level 2 - GEOS2711	BIOS3061
	Science (7-12) core: Chem Level 1	Ecology Elective^ Level 2	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	BIOS6671
	EDST6924	EDST6954	Ecology Elective Level 3

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective^^	EDST6765** (12 UOC)
	BIOS3601	Science Elective	
	Ecology Elective Level 3		

\* In addition to the regular requirements for the Ecology major, the following courses must be included to satisfy the teacher accreditation authority:

1. CHEM1011 (T1, T2, T3) or CHEM1031 (T1) 2. PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3)

If PHYS1121 is chosen, students must complete the co-requisite MATH1131 (T1, T2, T3) as their Prescribed Science Elective.

^ Students can choose to take the Level 2 Ecology Elective in either T2 or T3.

Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12, and Earth and Environmental Science in Year 11 and 12 in NSW secondary schools

^^ The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

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## Term 1 2020 Commencing Students – Geography Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BIOS1301	GEOS1701	Science (7-12) core: Phys Level 1
	MATH1041	Science (7-12) core: Chem Level 1	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science (7-12) core: EES Level 2 – GEOS2821	EDST2002
	BEES2041	Science (7-12) core: Bio Level 2	Geography Elective Level 2
	Geography Elective Level 2	Geography Elective Level 2	

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

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	GEOS3911	GEOS3761	
	Geography Elective Level 3	Geography Elective Level 3	

\* In addition to the regular requirements for the Geography major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3)
2. CHEM1011 (T1, T2, T3) or CHEM1031 (T1)
3. BIOS2500 (T2) or BEES2741 (T2)

If PHYS1121 is chosen, students must complete the co-requisite/pre-requisite MATH1131 (T1, T2, T3) in place of MATH1041.

Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12 and Geography 7-12 or Earth & Environmental Science in Year 11 and 12 as first teaching area specialisations in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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### Term 1 2020 Commencing Students – Mathematics for Education Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	MATH1131	MATH1231	Science Elective
	MATH1081	Science Elective	

	Term 1	Term 2	Term 3
Year 2	EDST2003	MATH2121	EDST2002
	MATH2011	MATH2501	MATH2521
	Science Elective	MATH2801	

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

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective^	EDST6765** (12 UOC)
	MATH3560 & MATH3570	Science Elective	
	MATH Level 3	Science Elective	

Students who successfully complete the above program plan will be accredited by NESA to teach Mathematics in Year 7-12 in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

^ The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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## Term 1 2020 Commencing Students – Mathematics/Physics Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	MATH1131	MATH1231	PHYS1221
	MATH1081	PHYS1121	

	Term 1	Term 2	Term 3
Year 2	EDST2003	MATH2121	EDST2002
	MATH2011	MATH2501	PHYS3116
	PHYS2111		MATH2521

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

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	MATH3560 & MATH3570	PHYS2114	
	MATH Level 3	MATH2801	

The 5 stipulated physics courses must be taken as shown to provide the subject content knowledge required by NES. Substitutions are not allowed unless approved by the Bachelor of Education Program Director. Students who successfully complete the above program plan will be accredited by NES to teach Mathematics in Year 7-12 and Physics in Year 11 and 12 in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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## Term 1 2020 Commencing Students – Pathology Major (teaching areas Science (Yr 7-12) & Biology AND Chemistry (Yr 11-12))

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	BIOS1101	CHEM1021
	Science (7-12) core: Phys Level 1	CHEM1011	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science (7-12) Core: Bio Level 2 - ANAT2241	EDST200 2
	Pathology Elective Level 2	BIOC2181	PATH220 1
	Science (7-12) core: EES Level 1	Science (7-12) core: Chem Level 2 – CHEM2011	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Chemistry Level 3^^
	EDST6927	EDST6957	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective^	EDST6765** (12 UOC)
	PATH3205	PATH3206	
	Chemistry Level 3^^	Pathology Elective Level 3	

\* In addition to the regular requirements for the Pathology major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) 2. BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1)

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

^ The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

^^ \*Good Level 3 Chemistry course options are CHEM3011 (T3), CHEM6701 (T1), CHEM6702 (T2) or CHEM3901 (T3) to round out your Chemistry knowledge.

Students who successfully complete the above program plan will be accredited by NESA to teach Science Year 7-12, Biology, and Chemistry in Year 11 and 12 as first teaching area specialisations in NSW secondary schools.

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## Term 1 2020 Commencing Students – Pathology Major (teaching areas Science (Yr 7-12) & Biology (Yr 11-12))

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	BIOS1101	CHEM1021
	Science Elective	CHEM1011	

	Term 1	Term 2	Term 3
Year 2	EDST2003	ANAT2241	EDST2002
	Pathology Elective Level 2	Science (7-12) core: Chem Level 2 BIOC2181	Science (7-12) core: Bio Level 2 PATH2201
	Science (7-12) core: EES Level 1		Science (7-12) core: Phys Level 1

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Science Elective
	EDST6926	EDST6956	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	PATH3205	PATH3206	
	Science Elective or Science (7-12) core: Chem Level 2	Pathology Elective Level 3	

\* In addition to the regular requirements for the Pathology major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3) 2. \* BIOS1301 (T1) or GEOS1702 (T2) or GEOS1211 (T1)
- If PHYS1121 is chosen, students must complete the co-requisite MATH1131 (T1, T2, T3) using one of the Prescribed Science Elective spaces.

Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12 and Biology in Year 11 and 12 in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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## Term 1 2020 Commencing Students – Physics Major

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	MATH1131	PHYS1221	MATH2069
	PHYS1121	MATH1231	

	Term 1	Term 2	Term 3
Year 2	EDST2003	PHYS2114	EDST2002
	Science (7-12) core: Phys Level 2 PHYS2111	MATH2089	Science (7-12) core: Chem Level 1
	Science (7-12) core: EES Level 1/ 2	Science (7-12) core: Bio Level 1/ 2	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Physics Elective Level 3
	EDST6923	EDST6953	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	PHYS3112	PHYS3111	
	PHYS3113	Physics Elective Level 3	

\*\*In addition to the regular requirements for the Physics major, the following courses must be included to satisfy the teacher accreditation authority:

1. CHEM1011 (T1, T2, T3) or CHEM1031 (T1)
2. BIOS1101 (T2) or BABS1201 (T1, T3) or BABS1202 (T2)
3. CLIM2001 (T1) or GEOS2821 (T2) or GEOS2021 (T2) or GEOS2241 (T3) or GEOS2291 (T3).

If you wish to take a Level 2 Biology unit, you can do this instead of a Level 2 Earth and Environmental unit. You would have to take a Level 1 Earth and Environmental unit –BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1) plus:

4. BIOS2500 (T2) or BEES2741 (T2).

Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12 and Physics in Year 11 and 12 as first teaching area specialisations in NSW secondary schools. Students who are interested in teaching Physics and Mathematics should refer to the sample program plan for the Mathematics/Physics combination.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.



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## Term 1 2020 Commencing Students – Physiology Major (teaching areas Science (Yr 7-12) & Biology AND Chemistry (Yr 11-12))

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	MATH1041	Science (7-12) core: Phys Level 1
	CHEM1011	CHEM1021	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science (712) Core: Bio Level 2 PHSL2201	EDST2002
	PHSL2101	BIOC2181 or BIOC2101 <sup>^^^</sup>	Physiology Elective Level 2
	Science (7-12) Core: EES Level 1	Science (7-12) Core: Chem Level 2 - CHEM2011	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Chemistry Level 3 <sup>^^</sup>
	EDST6927	EDST6957	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765 <sup>**</sup> (12 UOC)
	Chemistry Level 3 <sup>^^</sup>	Physiology Elective Level 3	
	Physiology Elective Level 3	Physiology Elective Level 3	

\* In addition to the regular requirements for the Physiology major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) as the Stage 1 6 UOC choice option
2. BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1)

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

<sup>^^</sup> \*Good Level 3 Chemistry course options are CHEM3011 (T3), CHEM6701 (T1), CHEM6702 (T2) or CHEM3901 (T3) to round out your Chemistry knowledge. Students who successfully complete the above program plan will be accredited by NESAs to teach Science Year 7-12, Biology, and Chemistry as first teaching specialisation areas in Year 11 and 12 in NSW secondary schools.

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## Term 1 2020 Commencing Students – Physiology Major (teaching area Science (Yr 7-12) & Biology (Yr 11-12))

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	MATH1041	Science (7-12) core: Phys Level 1
	CHEM1011	Science Elective	

	Term 1	Term 2	Term 3
Year 2	EDST2003	PHSL2201	EDST2002
	Science (7-12) core: Bio Level 2 – PHSL2101	Science (7-12) Core: Chem Level 2 - BIOC2181 /BIOC2101 (Physiology Elective)	Physiology Elective Level 2
	Science (7-12) core: EES Level 1	Science Elective	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Science Elective
	EDST6926	EDST6956	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective <sup>^</sup>	EDST6765** (12 UOC)
	Science Elective	Physiology Elective Level 3	
	Physiology Elective Level 3	Physiology Elective Level 3	

\* In addition to the regular requirements for the Physiology major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3) as the Stage 1 6 UOC choice option
2. BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1).

If PHYS1121 is chosen, students must complete the co-requisite MATH1131 (T1, T2, T3) using one of the Prescribed Science Elective spaces.

Students who successfully complete the above program plan will be accredited by NESA to teach Science Year 7-12 and Biology in Year 11 and 12 in NSW secondary schools.

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.

<sup>^</sup> The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives.

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### Term 1 2020 Commencing Students – Physiology Major (teaching area Science (Yr 7-12) & Biology AND Chemistry (Yr 11-12))

	Term 1	Term 2	Term 3
Year 1	EDST1104	EDST1108	EDST1101
	BABS1201	MATH1041	Science (7-12) core: Phys Level 1
	CHEM1011	CHEM1021	

	Term 1	Term 2	Term 3
Year 2	EDST2003	Science (7-12) Core: Bio Level 2 PHSL2201	EDST2002
	PHSL2101	BIOC2181 or BIOC2101^^	Physiology Elective Level 2
	Science (7-12) core: EES Level 1	Science (7-12) Core: Chem Level 2 CHEM2011	

	Term 1	Term 2	Term 3
Year 3	EDST4084	EDST6760	EDST4080
	EDST6922	EDST6952	Chemistry Level 3 ^^^
	EDST6927	EDST6957	

	Term 1	Term 2	Term 3
Year 4	EDST4096	Education Elective^	EDST6765** (12 UOC)
	Chemistry Level 3^^^	Physiology Elective Level 3	
	Physiology Elective Level 3	Physiology Elective Level 3	

\*In addition to the regular requirements for the Physiology major, the following courses must be included to satisfy the teacher accreditation authority:

1. PHYS1111 (T1, T3) as the Stage 1 6 UOC choice option
2. BIOS1301 (T1) or GEOS1701 (T2) or GEOS1211 (T1)

^^Either BIOC2181 (T2) or BIOC2101 (T2) must be selected from the Stage 2 choice options as this will be counted as a Chemistry course by NESA

^^^Good Level 3 Chemistry course options are CHEM3011 (T3), CHEM6701 (T1), CHEM6702 (T2) or CHEM3901 (T3) to round out your Chemistry knowledge

Students who successfully complete the above program plan will be accredited by NESA to teach Science Year 7-12, Biology, and Chemistry as first teaching specialisation areas in Year 11 and 12 in NSW secondary schools.

^ The Education elective is listed in T2, but can be taken in any term in the second year by swapping its position with one of the second-year major courses (prerequisites permitting), so that students can choose from the full range of Education Electives

\*\* EDST6765: Please note that EDST6765 cannot be studied concurrently with another course.