

Bachelor of Science/Education (Secondary) 4076



T1 2021 Commencing Students

| Science Major | Sample program satisfies NESA Accreditation for the following teaching areas in NSW Secondary Schools | Page |
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| Biology | Biology (Year 11 & 12) | 2 |
| Chemistry | Chemistry (Year 11 & 12) | 3 |
| Ecology | Earth & Environmental Science (Year 11& 12) | 4 |
| Geography | <i>EITHER</i> Geography (Year 7-12) <i>OR</i> 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 |
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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BIOS1301 | BIOS1101 | Science Elective |
| | BABS1201 | MATH1041 | |

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

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

| | Term 1 | Term 2 | Term 3 |
|--------|--------------------------|--------------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | Level 3 Biology Elective | Level 3 Biology Elective | |
| | 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | MATH1031 or 1131 or 1141 | PHYS1111 or PHYS1121 or PHYS1131 | CHEM1021 or CHEM1041 (T2) |
| | CHEM1011 or CHEM1031 | MATH1041 or 1231 or 1241 | |

| | Term 1 | Term 2 | Term 3 |
|--------|------------------|------------------|----------|
| Year 2 | EDST2003 | CHEM2011 | EDST2002 |
| | CHEM2041 | CHEM2021 | CHEM2031 |
| | Science Elective | Science Elective | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------|-----------------------|----------------------------|
| Year 3 | EDST4084 | EDST6760 | EDST4080 |
| | EDST6922 | EDST6952 or EDST6958* | Level 3 Chemistry Elective |
| | EDST6925 | EDST6955 | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------------|----------------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | Level 3 Chemistry Elective | Science Elective | |
| | Level 3 Chemistry Elective | Level 3 Chemistry Elective | |

Notes

*Students who wish to satisfy NESAC 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BIOS1301 | BIOS1101 | Science Elective |
| | MATH1041 | GEOS1701 | |

| | Term 1 | Term 2 | Term 3 |
|--------|------------------|--------------------------|----------|
| Year 2 | EDST2003 | BIOS2011 | EDST2002 |
| | BEES2041 | GEOS2711 | BIOS3061 |
| | Science Elective | Level 2 Ecology Elective | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------|-----------------------|--------------------------|
| Year 3 | EDST4084 | EDST6760 | EDST4080 |
| | EDST6922 | EDST6952 or EDST6958* | Level 3 Ecology Elective |
| | EDST6924 | EDST6954 | BIOS6671 |

| | Term 1 | Term 2 | Term 3 |
|--------|--------------------------|--------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | BIOS3601 | Science Elective | |
| | 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BIOS1301 | GEOS1701 | Science Elective |
| | MATH1041 [^] | Science Elective | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------------|----------------------------|----------------------------|
| Year 2 | EDST2003 | GEOS2821 | EDST2002 |
| | BEES2041 | Science Elective | Level 2 Geography Elective |
| | Level 2 Geography Elective | Level 2 Geography Elective | |

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

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------------|----------------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | GEOS3911 | GEOS3761 | |
| | 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BABS1201 | BIOS1101 | CHEM1021 or CHEM1041 (T2) |
| | Science Elective | CHEM1011 or CHEM1031 (T1) | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------------|----------------------|------------------|
| Year 2 | EDST2003 | ANAT2241 | EDST2002 |
| | Science Elective | BIOC2181 or BIOC2101 | Science Elective |
| | Level 2 Pathology Elective | | PATH2201 |

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

| | Term 1 | Term 2 | Term 3 |
|--------|------------------|----------------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | PATH3205 | PATH3206 | |
| | Science Elective | Level 3 Pathology 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:

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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BABS1201 | BIOS1101 | CHEM1021or CHEM1041 (T2) |
| | MATH1XXX^ | CHEM1011 or CHEM1031 (T1) | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------------------|-------------------------|---------------------|
| Year 2 | EDST2003 | ANAT2241 | EDST2002 |
| | Level 2 Pathology Elective | BIOC2181 or BIOC2101 | PATH2201 |
| | Science Elective | | Science Elective |

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

| | Term 1 | Term 2 | Term 3 |
|--------|---------------------|----------------------------------|---|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | PATH3205 | PATH3206 | |
| | Science Elective | Level 3 Pathology 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 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | MATH1131 or MATH1141 | MATH1231 or MATH1241 | MATH2069 |
| | PHYS1121 or PHYS1131 or PHYS1141 | PHYS1221 or PHYS1231 or PHYS1241 (T3) | |

| | Term 1 | Term 2 | Term 3 |
|--------|------------------|------------------|------------------|
| Year 2 | EDST2003 | PHYS2114 | EDST2002 |
| | PHYS2111 | MATH2089 | Science Elective |
| | Science Elective | Science Elective | |

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

| | Term 1 | Term 2 | Term 3 |
|--------|----------|-------------------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | PHYS3112 | PHYS3111 | |
| | PHYS3113 | Level 2 or 3 Physics 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 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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T1 2021 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 |
|--------|-------------------------|---|-----------------------------------|
| Year 1 | EDST1104 | EDST1108 | EDST1101 |
| | BABS1201 | MATH1031 or MATH1041 or MATH1131 or MATH1141 | Level 1 Physiology Elective |
| | CHEM1011 or CHEM1031 | Science Elective | |

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

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

| | Term 1 | Term 2 | Term 3 |
|--------|-----------------------------------|-----------------------------------|---|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | Science Elective | Level 3 Physiology Elective | |
| | Level 3 Physiology 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | BABS1201 | MATH1031 or MATH1041 or MATH1131 or MATH1141 | Science Elective |
| | CHEM1011 or CHEM1031 | Level 1 Physiology Elective | |

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

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

| | Term 1 | Term 2 | Term 3 |
|--------|---------------------------------|---------------------------------|---|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | Science Elective | Lvl 3 Physiology Elective | |
| | Lvl 3 Physiology 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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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | MATH1131 or MATH1141 | MATH1231 or MATH1241 | Science Elective |
| | MATH1081 | Science Elective | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------|----------------------|----------------------|
| Year 2 | EDST2003 | MATH2121 or MATH2221 | EDST2002 |
| | MATH2011 or MATH2111 | MATH2501 or MATH2601 | MATH2521 or MATH2621 |
| | Science Elective | MATH2801 or MATH2901 | |

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

| | Term 1 | Term 2 | Term 3 |
|--------|---------------------|--------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | MATH3560 & MATH3570 | Science Elective | |
| | Level 3 MATH | Science Elective | |



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T1 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 | EDST1104 | EDST1108 | EDST1101 |
| | MATH1131 or MATH1141 | MATH1231 or MATH1241 | PHYS1221* |
| | MATH1081 | PHYS1121* | |

| | Term 1 | Term 2 | Term 3 |
|--------|----------------------|----------------------|----------------------|
| Year 2 | EDST2003 | MATH2121 or MATH2221 | EDST2002 |
| | MATH2011 or MATH2111 | MATH2501 or MATH2601 | PHYS3116* |
| | PHYS2111* | | MATH2521 or MATH2621 |

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

| | Term 1 | Term 2 | Term 3 |
|--------|---------------------|----------------------|--|
| Year 4 | EDST4096 | Education Elective | EDST6765 (12 UOC) <i>Cannot be studied concurrently with another course</i> |
| | MATH3560 & MATH3570 | PHYS2114* | |
| | Level 3 MATH | MATH2801 or MATH2901 | |

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