

**Program Structure / Rules**
**Program Code:** TA5

**Program:** Bachelor of Science / Bachelor of Education

**Location:** Mt Helen, Churchill, Berwick and Online

**New/Continuing:** Continuing 2021

**Structure:**

TERM	COURSE	LOCATIONS OFFERED				
		BER	CHLL	MTH	ODL	
<b>FIRST YEAR</b>						
1	EDBED1011	LITERACY AND NUMERACY	X	X	X	X
1	EDBED1016	LEARNING AND TEACHING (INCLUDES 5 DAYS WIL)	X	X	X	X
		Exclusion(s): EDBED1008, EDDDE1001 & EDFGC1303				
		DISCIPLINE COURSE APPROVED LIST 9				
		DISCIPLINE COURSE APPROVED LIST 9				
2	EDBED1017	CHILD AND ADOLESCENT DEVELOPMENT AND CHARACTERISTICS	X	X	X	X
		Exclusion(s): EDBED1009, EDECE1006 & EDFGC2021				
		MINOR DISCIPLINE A SPECIALISATION 1				
		DISCIPLINE COURSE APPROVED LIST 9				
		DISCIPLINE COURSE APPROVED LIST 9				
<b>SECOND YEAR</b>						
3	EDBED2114	TRANSITION TO THE PROFESSION 1				
		Pre-Requisites: EDBED1008 or EDBED1016 or EDDDE1001	X	X	X	X
		Exclusion(s): EDECE1016				
3	EDDDE2103	DESIGNING FOR LEARNING		X	X	
		Pre-Requisites: EDBED1003 or EDBED1016 or EDDDE1001 or EDDDE1002				
		DISCIPLINE COURSE APPROVED LIST 9				
		MINOR DISCIPLINE B SPECIALISATION 1				
4	EDBED2010	DIVERSITY AND INCLUSION: TEACHING STRATEGIES FOR DIVERSE LEARNERS	X	X	X	
		Exclusion(s): EDECE1013				
4	EEZED2722	PROFESSIONAL EXPERIENCE 2	X	X	X	
		MAJOR DISCIPLINE A SPECIALISATION 2				

		MAJOR DISCIPLINE B SPECIALISATION 2				
		MINOR DISCIPLINE C SPECIALISATION 1				
<b>THIRD YEAR</b>						
5	EDBED3016	ABORIGINAL AND TORRES STRAIT ISLANDER: LEARNING AND TEACHING	X	X	X	
		Exclusion(s): EDFGC2031 & EDBED3005				
		CURRICULUM MAJOR APPROVED LIST 1				
		CURRICULUM MINOR APPROVED LIST 1				
		MINOR DISCIPLINE D SPECIALISATION 1				
6	EDBED3027	CURRICULUM ASSESSMENT AND REPORTING				
		Exclusion(s): EDBED4009				
6	EEZED3721	PROFESSIONAL EXPERIENCE 3				
		CURRICULUM MAJOR APPROVED LIST 2				
		CURRICULUM MINOR APPROVED LIST 2				
		MAJOR DISCIPLINE C SPECIALISATION 2				
<b>FOURTH YEAR</b>						
7	EDBED4113	TRANSITION TO THE PROFESSION 2				
		Pre-Requisite: EDBED3027 & EDBED2114				
7	EEZED4711	PROFESSIONAL EXPERIENCE 4				
		ELECTIVE FROM APPROVED LIST 10				
		MAJOR DISCIPLINE D SPECIALISATION 2				
		MAJOR DISCIPLINE E SPECIALISATION 2				
8	EDBED4010	DIFFERENTIATING FOR LEARNING AND TEACHING				
		Exclusion(s): EDBED2007				
8	EDBED4114	TRANSITION TO THE PROFESSION 3				
		Pre-Requisite: All Courses Inc Yr4 & LANTITE Completion				
		Co-Requisite: EEZED4721				
8	EDBED4115	TEACHER AS PROFESSIONAL				
		Pre-Requisite: EDBED3027				
		Co-Requisite: EEZED4721				
8	EEZED4721	PROFESSIONAL EXPERIENCE FINAL				
		MAJOR DISCIPLINE F SPECIALISATION 2				

**CURRICULUM COURSES**  
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**Semester 1**

1	EDBED3028	MATHEMATICS CURRICULUM 1			X	X
		Exclusion(s): EDDDE3001				
1	EDBED3029	SCIENCE CURRICULUM 1			X	X
		Exclusion(s): EDDDE3002				
1	EDBED3033	INFORMATION TECHNOLOGY CURRICULUM 1				X
		Pre-Requisite(s): Pass in 3 IT Courses				
		Exclusion(s): EDDDE3012				
1	EDBED3038	SENIOR SCIENCE CURRICULUM 1			X	
		Pre-Requisite(s): Pass in 3 Senior Science Courses				
		Exclusion(s): EDDDE3018				

**Semester 2**

2	EDDDE3101	MATHEMATICS CURRICULUM 2			X	
		Pre-Requisite(s): EDBED3028 or EDDDE3001				
		Exclusion(s): EDBED3128				
2	EDDDE3102	SCIENCE CURRICULUM 2			X	
		Pre-Requisite(s): EDDDE3002 or EDBED3029				
2	EDDDE3112	INFORMATION TECHNOLOGY CURRICULUM 2				X
		Pre-Requisite(s): EDBED3033 or EDDDE3012				
2	EDDDE3118	SENIOR SCIENCE CURRICULUM 2			X	
		Pre-Requisite(s): EDBED3038 or EDDDE3018				

**MAJOR DISCIPLINE COURSES**
**ENVIRONMENTAL SCIENCE**

A	SCGEO1105	EARTH'S LIVING HISTORY			X	X
		Exclusion(s): SX523				
B	SCENV1001	GENERAL SCIENCE – ENVIRONMENTAL STUDIES	X	X	X	X
		Exclusion(s): ENVGC1022 and ENVGC1711 and SCENV1502 and SCGEO1102				

OR

	SCSUS1500	SUSTAINABLE EARTH	X	X	X	X
		Exclusion(s): SCENV1500 and SE505				
C	SCENV2200	POPULATION AND COMMUNITY ECOLOGY				
		Pre-Requisite(s): SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): ENVGC2726				
D	SCENV2804	<b>PEST PLANTS AND ANIMALS</b>				
		Exclusion(s): <b>SCENV2800</b>				
E	SCENV3501	ENVIRONMENTAL CHANGE	X		X	X
		Exclusion(s): SE735				
F	SCENV3202	WILDLIFE ECOLOGY AND CONSERVATION	X	X	X	X
		Pre-Requisite(s): SCENV1002 or SCENV1502				

**CHEMISTRY**

A	SCCHM1002	CHEMISTRY 2	X	X	X	X
	<b>OR</b>					
	SCCHM1003	INORGANIC CHEMISTRY			X	X
B	SCBCH2001	BIOCHEMISTRY				
		Pre-Requisite(s): BIOGC1722 or SCBIO1001 or SCBIO1010 or SCMED1014 and CHMGC1022 or SCCHE1012 or SCCHM1002	X	X	X	X
		Exclusion(s): BTHGC2741 and SCBIO2053				
C	SCCHM2002	ENVIRONMENTAL CHEMISTRY	X	X		X
		Pre-Requisite(s): SCCHM1001				
D	SCCHM2001	ANALYTICAL TECHNIQUES	X	X	X	X
		Pre-Requisite(s): SCCHM1001				
E	SCCHM3004	ORGANIC SYNTHESIS FOR DRUG DESIGN	X	X	X	X
		Pre-Requisite(s): SCCHM2001				
F	SCCHM3001	MEDICINAL CHEMISTRY	X	X	X	X
		Pre-Requisite(s): SCBCH2001				

**EARTH SCIENCES**

A	SCENV1001	GENERAL SCIENCE – ENVIRONMENTAL STUDIES	X	X	X	
		Exclusion(s): ENVGC1022 and ENVGC1711 and SCENV1502 and SCGEO1102				
B	SCSUS1500	SUSTAINABLE EARTH	X	X	X	X

Commented [SG1]: New course code (same course)

		Exclusion(s): SCENV1500 and SE505				
	OR					
	SCGEO1103	PLANET EARTH			X	X
	OR					
	SCENV2100	AUSTRALIAN FAUNA				
		Pre-Requisite(s): SCENV1001 or SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): SCENV2111				
C	SCGEO2106	HYDROLOGY				
		Pre-Requisite(s): ENCOR1015 or MATHS1000 or SCCOR1300			X	X
		Exclusion(s): SX628				
D	SCGEO2111	GENERAL SCIENCE: LANDSCAPE EVOLUTION			X	X
		Pre-Requisite(s): SCENV1502 or SCGEO1102 or SCGEO1106				
E	SCENV3912	ENVIRONMENTAL ASSESSMENT				
		Pre-Requisite(s): At least 60 credit points from SCENV subject-area at any level				X
		Exclusion(s): ENVGC3737 and SCENV3902				
F	SCENV3800	ECOSYSTEMS CONSERVATION AND MANAGEMENT	X	X	X	X
		Pre-Requisite(s): SCENV2200 or SCENV2500				

**BIOLOGY**

A	SCENV1001	GENERAL SCIENCE – ENVIRONMENTAL STUDIES				
		Exclusion(s): ENVGC1022 and ENVGC1711 and SCENV1502 and SCGEO1102	X	X	X	
	OR					
	SCBIO1020	SYSTEMS BIOLOGY				
		Pre-Requisite(s):	X	X	X	X
		Exclusion(s): HEALT1111 and HEALT1112				
B	SCENV2200	POPULATION AND COMMUNITY ECOLOGY				
		Pre-Requisite(s): SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): ENVGC2726				
OR						
	SCENV2100	AUSTRALIAN FAUNA				
		Pre-Requisite(s): SCENV1001 or SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): SCENV2111				

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OR						
	SCMIC2001	GENERAL MICROBIOLOGY				
		Pre-Requisite(s):	X	X	X	X
		Exclusion(s):				
C	SCENV2101	AUSTRALIAN FLORA				
		Pre-Requisite(s): SCENV1001 or SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): SCENV2111				
D	SCMOL3001	MOLECULAR CELL BIOLOGY				
		Pre-Requisite(s): SCBCH2001	X	X	X	X
		Exclusion(s): BTHGC3741 and SCMED2031				

## MINOR DISCIPLINE COURSES

### INFORMATION TECHNOLOGY

	ITECH1100	UNDERSTANDING THE DIGITAL REVOLUTION	X	X	X	X
	ITECH1101	IT PROBLEM SOLVING	X	X	X	X
	ITECH1400	FOUNDATIONS OF PROGRAMMING			X	X
		Exclusion(s): ITECH1000 and ITECH5000				
	ITECH2000	MOBILE DEVELOPMENT FUNDAMENTALS				
		Pre-Requisite(s): ITECH1101	X	X	X	X
		Exclusion(s): ITECH1300				
	ITECH2001	GAME DEVELOPMENT FUNDAMENTALS	X	X	X	X
		Pre-Requisite(s): ITECH1101				
	ITECH2003	WEB DESIGN				
		Pre-Requisite(s): ITECH1100	X	X	X	X
		Exclusion(s): ITECH2106				

### ENVIRONMENTAL STUDIES

A	SCENV1001	GENERAL SCIENCE – ENVIRONMENTAL STUDIES	X	X	X	X
C	SCENV1002	BIODIVERSITY CONSERVATION	X	X	X	X
D	SCENV2100	AUSTRALIAN FAUNA				
		Pre-Requisite(s): SCENV1001 or SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): SCENV2111				

B	SCSUS1500	SUSTAINABLE EARTH	X	X	X	X
		Exclusion(s): SCENV1500 and SE505				

**CHEMISTRY**

D	SCBCH2001	BIOCHEMISTRY	X	X	X	X
		Pre-Requisite(s): BIOGC1722 or SCBIO1001 or SCBIO1010 or SCMED1014 and CHMGC1022 or SCCHE1012 or SCCHM1002				
		Exclusion(s): BTHGC2741 and SCBIO2053				
A	SCCHM1001	CHEMISTRY 1	X	X	X	X
B	SCCHM1002	CHEMISTRY 2	X	X	X	X
C	SCCHM2002	ENVIRONMENTAL CHEMISTRY	X	X		X
		Pre-Requisite(s): SCCHM1001				

**EARTH SCIENCES**

A	SCENV1001	GENERAL SCIENCE – ENVIRONMENTAL STUDIES	X	X	X	X
		Exclusion(s): ENVGC1022 and ENVGC1711 and SCENV1502 and SCGEO1102				
B	SCGEO1103	PLANET EARTH			X	X
D	SCGEO2106	HYDROLOGY			X	X
		Pre-Requisite(s): ENCOR1015 or MATHS1000 or SCCOR1300				
	SCGEO2111	GENERAL SCIENCE: LANDSCAPE EVOLUTION			X	X
		Pre-Requisite(s): SCENV1502 or SCGEO1102 or SCGEO1106				
C	OR					
	SCSUS1500	SUSTAINABLE EARTH	X	X	X	X
		Exclusion(s): SCENV1500 and SE505				

**BIOLOGY**

A	SCBIO1001	GENERAL SCIENCE: PRINCIPLES OF BIOLOGY	X	X	X	X
		Exclusion(s): BIOGC1722 and SCBIO1010 and SCCOR1100				
B	SCBIO1020	SYSTEMS BIOLOGY	X	X	X	X
		Exclusion(s): HEALT1111 and HEALT1112				
D	SCMOL2010	MAMMALIAN GENETICS	X	X	X	X
		Pre-Requisite(s): SCBIO1001 or SCBIO1010 or SCBIO1020				

C	SCMOL2020	IMMUNOLOGY	X	X	X	X
		Pre-Requisite(s): BIOGC1711 or SCBIO1020 or SCMED1014				
		Exclusion(s): IMMGC3802 and SCMED2020				

**PHYSICS**

A	ENGIN1002	ENGINEERING PHYSICS		X	X	X
		Exclusion(s): ENCOR1021 and ENCOR2100				
B	ENGIN1005	ENGINEERING MECHANICS		X	X	X
		Exclusion(s): ENCOR1000 and ENCOR1021				
C	ENGIN2303	MECHANISM AND MACHINE THEORY		X	X	X
		Pre-Requisite(s): ENCOR2030 or ENGIN2301				
		Exclusion(s): ENCIV2310				
D	ENGIN2402	MEASUREMENT AND COMPUTER INSTRUMENTATION		X	X	X
		Pre-Requisite(s): ENCOR1000 or ENCOR1021 or ENGIN1002				
		Exclusion(s): ENMTX2020 and ETMEC3260				

**DISCIPLINE COURSE APPROVED LIST 9**

	MATHS1000	UPON THE SHOULDERS OF GIANTS			X	X
		Pre-Requisite(s): VCE Mathematics or equivalent				
		Exclusion(s): ENCOR1015 and MATHS2000 and SCCOR1300				
	SCBIO1001	GENERAL SCIENCE: PRINCIPLES OF BIOLOGY	X	X	X	
		Exclusion(s): BIOGC1722 and SCBIO1010 and SCCOR1100				
	SCCHM1001	CHEMISTRY 1	X	X	X	X
	SCGEO1103	PLANET EARTH			X	X
	STATS1000	STATISTICAL METHODS	X	X	X	X

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**ELECTIVE APPROVED LIST 10**

	SCBIO1020	SYSTEMS BIOLOGY	X	X	X	X
		Exclusion(s): HEALT1111 and HEALT1112				
	SCCHM1002	CHEMISTRY 2	X	X	X	X
	SCCHM1003	INORGANIC CHEMISTRY			X	X
	SCENV2101	AUSTRALIAN FLORA	X	X	X	X



		Pre-Requisite(s): SCENV1001 or SCENV1002 or SCENV1502				
		Exclusion(s): SCENV2111				
	SCENV2200	POPULATION AND COMMUNITY ECOLOGY				
		Pre-Requisite(s): SCENV1002 or SCENV1502	X	X	X	X
		Exclusion(s): ENVGC2726				
	SCSUS1500	SUSTAINABLE EARTH	X	X	X	X
		Exclusion(s): SCENV1500 and SE505				

### Program Requirements

Students will need to apply for a Working with Children Check (WWCC) card before commencing their program. A copy of the WWCC card must be supplied to the University prior to commencing professional experience placements. More information can be found at the WWCC website.

### Additional Information

If you are unable to, or are having difficulties enrolling in myStudentCentre, please contact Student HQ for program administration information and assistance.

For Program or credit enquiries, please contact Student HQ or the Program Leader.

### Professional Experience

For all placement/field education enquiries, please contact the Professional Experience office.

P: (03) 5327 6782

E: [sea.professionalexperience@federation.edu.au](mailto:sea.professionalexperience@federation.edu.au)

### Program Coordinator

Anitra Goriss- Hunter

E: [a.goriss-hunter@federation.edu.au](mailto:a.goriss-hunter@federation.edu.au)

P: 03 5327 9326

Mt Helen campus, Ballarat

### Student HQ

P: 1800 FED UNI (333 864)

E: [info@federation.edu.au](mailto:info@federation.edu.au)

**Glossary**

<b>Advanced (Adv.):</b>	Courses that are coded 3000 – 3999, advanced-level courses
<b>APAC:</b>	Australian Psychology Accreditation Council
<b>Co-requisite (CoR):</b>	A course or courses that must be completed concurrently with the chosen course
<b>CR:</b>	Credit Point value
<b>Exclusion (EX):</b>	A course that is the equivalent to another course and so excludes students from repeating an equivalent course
<b>Introductory (Intro):</b>	Courses that are coded 1000 – 1999, introductory-level courses
<b>Intermediate (Inter.):</b>	Courses that are coded 2000 – 2999, intermediate-level courses
<b>Major/Minor:</b>	The main subject area of study completed as part of a degree
<b>Pre-Requisite(s) (PR):</b>	A course or courses that must be completed prior to undertaking another course
<b>Semester:</b>	Designated teaching period
<b>Term:</b>	Designated teaching period

**Campuses / Offering Locations**

BER – Berwick

MTH – Mt Helen

CHLL – Churchill

ODL – Online