

## Program Code – TA5

## Program Name – Bachelor of Science / Bachelor of Education

## Locations – Mt Helen

Course Code	Course Name	Course Rules	Locations Offered			
			BER	CHLL	MTH	ODL
<b>FIRST YEAR</b>						
<b>Semester 1</b>						
EDBED 1011	Literacy and Numeracy	Nil	X	X	X	X
EDBED 1016	Learning and Teaching ( <i>Includes 5 Days WIL</i> )	Nil	X	X	X	X
SCBIO 1010	Principles of Biology	EX SCCOR 1100	X	X	X	X
SCCHM 1001	Chemistry 1	Nil	X	X	X	X

<b>Semester 2</b>						
EDBED 1017	Child and Adolescent Development and Characteristics	Nil	X	X	X	X
SCGEO 1103	Planet Earth	Nil	X	X	X	X
STATS 1000	Statistical Methods	Nil	X	X	X	X
<i>Minor Discipline Elective A</i>						

<b>SECOND YEAR</b>						
<b>Semester 1</b>						
EDBED 2114	Transition to the Profession 1	PR EDBED 1016	X	X	X	X
EDDDE 2103	Designing for Learning	Nil	X	X	X	X
MATHS 1000	Upon the Shoulders of Giants	Nil	X	X	X	X
<i>Minor Discipline Elective B</i>						

<b>Semester 2</b>						
EDBED 2010	Diversity and Inclusion: Teaching Strategies for Diverse Learners	Nil	X	X	X	
<i>Major Discipline Degree Course A</i>						
<i>Major Discipline Degree Course B</i>						
<i>Minor Discipline Elective C</i>						
EEZED 2722	Professional Experience 2 (15 Days – Major)	Nil	X	X	X	

Course Code	Course Name	Course Rules	Locations Offered			
			BER	CHLL	MTH	ODL
<b>THIRD YEAR</b>						
<b>Semester 1</b>						
EDBED 3016	Aboriginal and Torres Strait Islander: Learning and Teaching	PR EDBED 2010 EX EDFGC 2031 & EDBED 3005				
	Major Discipline Degree Curriculum Course 1					
	Minor Discipline Degree Curriculum Course 1					
	Minor Discipline Elective D					
<b>Semester 2</b>						
EDBED 3027	Curriculum, Assessment and Reporting	EX EDBED 4009				
	Major Discipline Degree Curriculum Course 2					
	Minor Discipline Degree Curriculum Course 2					
	Major Discipline Degree Course C					
EEZED 3721	Professional Experience 3 (15 Days – Minor)	Nil				
<b>FOURTH YEAR</b>						
<b>Semester 1</b>						
EDBED 4113	Transition to Profession 2	PR EDBED 3027 & EDBED 2114 & EDBED 1016				
	Major Discipline Degree Course D					
	Major Discipline Degree Course E					
	Elective (Outside of Major / Minor)					
EEZED 4711	Professional Experience 4 (15 Days – Major and Minor)	Nil				
<b>Semester 2</b>						
EDBED 4010	Differentiating for Learning and Teaching	Nil				
EDBED 4114	Transition to the Profession 3	PR All Courses up to Yr 4, Sem 1 & LANTITE Test				
EDBED 4115	Teacher as Professional	PR EDBED 3027 CoR EEZED 4721				
	Major Discipline Degree Course F					
EEZED 4721	Professional Experience Final (30 Days – Primary or Secondary)	Nil				

## Curriculum Courses

Course Code	Course Name	Course Rules	Locations Offered			
			BER	CHLL	MTH	ODL
<b>Semester 1</b>						
EDBED 3028	Mathematics Curriculum 1	Nil			X	X
EDBED 3029	Science Curriculum 1	Nil			X	X
EDBED 3033	Information Technology Curriculum 1	Nil				X
EDBED 3038	Senior Science Curriculum 1	Nil			X	
<b>Semester 2</b>						
EDDDE 3101	Mathematics Curriculum 2	PR EDBED 3028			X	
EDDDE 3102	Science Curriculum 2	PR EDBED 3029			X	
EDDDE 3112	Information Technology Curriculum 2	PR EDBED 3033				X
EDDDE 3118	Senior Science Curriculum 2	PR EDBED 3038			X	

## Elective (Outside Major/Minor) – 4<sup>th</sup> Year, Semester 1

Course Code	Course Name	Course Rules	Locations Offered			
			BER	CHLL	MTH	ODL
<b>Semester 1</b>						
SCSUS 1500	Sustainable Earth	Nil	X	X	X	X
SCCHM 1002	Chemistry 2	Nil	X	X	X	X
SCCHM 1003	Inorganic Chemistry	PR SCCHM 1002			X	X
SCBIO 1020	Systems Biology	Nil	X	X	X	X
SCENV 2200	Population and Community Ecology	Nil	X	X	X	X
SCENV 2101	Australian Flora	Nil	X	X	X	X

## Major Discipline Degree Courses

*Note Major Discipline Electives are subject to change depending on current course offerings and are revised each year*

Course Code	Course Name	Course Rules	Locations Offered				
			BER	CHLL	MTH	ODL	
<b>Environmental Science</b>							
A	SCSUS 1500	Sustainable Earth	Nil	X	X	X	X
B	SCENV 1502	Environmental Studies	Nil	X	X	X	X
C	SCENV 2800	Pests, plants and animals	Nil	X	X	X	X
D	SCENV 3501	Environmental Change	Nil		X	X	X
E	TBA						
F	TBA						

## Chemistry

A	SCCHM 1002	Chemistry 2	Nil	X	X	X	X
	SCBCH 2001	Biochemistry	PR SCCHM 1002 or SCBIO1010	X	X	X	
B	Or						
	SCCHM 2001	Analytical Techniques	Nil	X	X	X	X
C	SCCHM 1003	Inorganic Chemistry	PR SCCHM1002			X	X
D	SCCHM 3004	Organic Synthesis for Drug Design	Nil		X	X	
E		TBA					
F		TBA					

## Earth Sciences

	SCGEO 1103	Planet Earth	PR SCGEO1102			X	X
A	Or						
	SCSUS 1500	Sustainable Earth	Nil	X	X	X	X
B	SCENV 1502	Environmental Studies	Nil	X	X	X	X
C	SCGEO 2111	General Science: Landscape Evolution	PR SCGEO 1102 or 1106 or 1502			X	X
D	SCGEO 2106	Hydrology	PR SCGEO2111			X	X
E		TBA					
F		TBA					

## Biology

A	SCBIO 1020	Systems Biology	Nil	X	X	X	X
B	SCENV 1502	Environmental Studies	Nil	X	X	X	X
C	SCENV 2101	Australian Flora	Nil	X	X	X	X
D	SCENV 2100	Australian Fauna 2	Nil	X	X	X	X
E		TBA					
F		TBA					

## Minor Discipline Degree Courses

Note Minor Discipline Electives are subject to change depending on current course offerings and are revised each year

Course Code	Course Name	Course Rules	Locations Offered				
			BER	CHLL	MTH	ODL	
<b>Information Technology</b>							
A	ITECH 1100	Understanding the Digital Revolution	Nil	X	X	X	X
B	ITECH 1101	IT Problem Solving	Nil	X	X	X	X
C	ITECH 2003	Web Design	Nil	X	X	X	X
	ITECH 2000	Mobile Development Fundamentals	PR ITECH 1101	X	X	X	X
D	Or						
	ITECH 2001	Game Development Fundamentals	PR ITECH 1101	X	X	X	X

### Environmental Studies

A	SCSUS 1500	Sustainable Earth	Nil	X	X	X	X
B	SCGEO 1105	Earth's Living History	Nil			X	
C	SCENV 3501	Environmental Change	Nil		X	X	X
D	SCENV 2800	Pest, plants and animals	Nil	X	X	X	X

### Chemistry

A	SCCHM1002	Chemistry 2	Nil	X	X	X	X
	SCCHM 2001	Analytical Techniques	Nil	X	X	X	X
B	Or						
	SCBCH 2001	Biochemistry	PR SCBIO 1010	X	X	X	
C	SCCHM 3004	Organic Synthesis for Drug Design			X	X	
D	SCCHM 1003	Inorganic Chemistry				X	X

### Earth Sciences

A	SCSUS 1500	Sustainable Earth	Nil	X	X	X	X
B	SCENV 1502	Environmental Studies	Nil	X	X	X	X
C	SCENV 2100	Australian Fauna 2	PR SCENV 1502		X	X	X
D	SCGEO 2111	General Science: Landscape Evolution	PR SCGEO 1102 or 1106 or 1502			X	X

### Biology

A	SCBIO 1020	Systems Biology	Nil	X	X	X	X
B	SCENV 1502	Environmental Studies	Nil	X	X	X	X
C	SCENV 2100	Australian Fauna 2	PR SCENV 1502		X	X	X
D	SCENV 2101	Australian Flora	Nil	X	X	X	X

### Physics

A	ENGIN 1005	Engineering Mechanics	Nil		X	X	X
B	ENGIN 1002	Engineering Physics	Ex ENCOR 1021 & 2100		X	X	X
C	ENGIN 2303	Mechanics of Mechanisms	PR: ENCOR 1000 or ENCOR 1021 or ENGIN 1005		X	X	X
D	ENGIN 2402	Measurement and Computer Instrumentation	PR ENGIN 1000 or 1021 or 1002		X	X	X

\*To be waived

#### Program Leader

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## Additional Information

If you are unable to, or are having difficulties enrolling in myStudentCentre, please contact Student HQ on 1800 333 864 or email [info@federation.edu.au](mailto:info@federation.edu.au) for program administration information and assistance  
For Program or Course enquiries, please contact the TA5 Program Leader.

For all placement/professional experience enquiries, please contact the Professional Experience office on (03) 5327 6782 or at [sea.professionalexperience@federation.edu.au](mailto:sea.professionalexperience@federation.edu.au)

*Note: If you wish to apply for course credits, please contact your Program Leader or Student HQ.*

## Glossary

**Semester** – designated teaching period

**Pre-requisite (PR)** – a course or courses that must be completed prior to undertaking another course

**Co-requisite (CoR)** – a course or courses that must be completed concurrently with the chosen course

**Exclusion (EX)** – a course that is the equivalent to another course and so excludes students from repeating an equivalent course

**Major/Minor** – the main subject area of study completed as part of a degree

**Introductory (Intro)** – Courses that are coded 1000 – 1999, introductory-level courses

**Intermediate (Inter.)** – Courses that are coded 2000 – 2999, intermediate-level courses

**Advanced (Adv.)** – Courses that are coded 3000 – 3999, advanced-level courses

**CR** – Credit point value

## Campuses / Offering Location

**BER** - Berwick

**CHLL** – Churchill

**FLXK** – Flexible Delivery Berwick

**ODL** – Online

**BKIM** – Kangan Institute (Broadmeadows)

**FLXB** – Flexible Delivery Ballarat

**HOR** – Horsham

**SMB** – School of Mines (Ballarat)

**CAM** – Camp St

**FLXG** – Flexible Delivery Churchill

**MTH** – Mt Helen

**WSI** – Western Sydney Institute