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Handbook 2020

Minor Studies



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Minor Studies

Students in many programs are required to take a minor study. A minor study is a group of courses designed to provide students with an area of knowledge and skills that either:

- draw from a recognised discipline and are designed to contribute to the major study, or
- may transcend traditional disciplinary boundaries, but complements the objectives of the program.

A number of minor studies are available to students in these programs, including specific minors offered in each program.

Students are advised to consider the whole range of minor studies offered. However, the availability of general minor studies may be limited by a number of factors, including:

- the authorisation of the student's choice by the Program Coordinator and Faculty
- the satisfactory completion of pre-requisite courses by the student
- the provisions of the Faculty offering the minor, including audition and interview requirements in certain areas of the Arts and Education
- timetabling constraints
- quotas.

Minor studies should be taken in a structured sequence.

Business and Commerce

Accounting

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Non-business students:						
ACC1101 Accounting for Decision-Making *	S2, S1	S1, S2			S3, S1, S2	
FIN1101 Introduction to Corporate Finance *	S1	S2, S1			S3, S1, S2	
Select other courses from the accounting major in the Bachelor of Business and Commerce (subject to enrolment requirements).						
Business or commerce students not undertaking an Accounting major:						
Select four courses from the Accounting major in the Bachelor of Business and Commerce (subject to enrolment requirements).						

Footnotes

* Students must complete this course before enrolling in other courses from the Accounting major.

Banking and Financial Services

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students completing a Banking and Financial Services minor and who have also successfully completed [FIN1101 Introduction to Corporate Finance](#) under the core component of the [Bachelor of Business and Commerce](#) will meet the educational entrance requirements to become a member of the [Financial Services Institute of Australasia \(Finsia\)](#).

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
FIN2108 Credit Analysis and Lending Management	S2	S2			S2	Pre-requisite: FIN1101
FIN2106 Personal Financial Planning *	S1	S1			S1	
FIN3109 Managing Financial Institutions	S1	S1			S1	Pre-requisite: FIN1103
plus one of the following courses:						
ECO2000 The Macro-economy and Business					S2	
FIN1103 Financial Markets	S2	S2			S2, S3	
MGT3010 Business Strategy in a Global Environment					S1, S3	Enrolment is not permitted in MGT3010 if MKT3002 has been previously completed.
MKT2015 Creating Marketing Value	S1	S1			S1	Enrolment is not permitted in MKT2015 if MKT2012 has been previously completed.
LAW2104						

Footnotes

* [FIN2106 Personal Financial Planning](#) is not recommended for international students.

Business Administration

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Select four of the following courses (subject to enrolment requirements):						
FIN1101 Introduction to Corporate Finance	S1	S2, S1			S3, S1, S2	
MGT3010 Business Strategy in a Global Environment					S1, S3	Enrolment is not permitted in MGT3010 if MKT3002 has been previously completed.
MGT1001 Foundations of Human Resource Management	S1	S1			S1	
MGT2104						
MGT3004 Creativity, Innovation and Entrepreneurship					S2	

Business Basics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Select four of the following courses:						
LAW1101						
MGT1000 Organisational Behaviour	S1	S1			S3, S2, S1	
ACC1101 Accounting for Decision-Making	S2, S1	S1, S2			S3, S1, S2	
MGT2002 Perspectives of Organisation	S2	S2			S3, S2	
MKT1001 Introduction to Marketing	S1	S1			S2, S1, S3	

Business Economics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Select four of the following courses:						
ECO2000 The Macro-economy and Business					S2	
ECO2001 Business Economics					S1	
ECO3002 Economic Policy Analysis					S2	Pre-requisite: ECO1000
ECO3010 International Economics and Trade					S1	
ECO3020 Behavioural Economics					S1	Pre-requisite: ECO1000
ECO3030 Sustainable Economies					S2	
POL2001 Politics and International Business	S2				S2	

Business Law

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
LAW1101 *						
Select other courses from the Business Law major in the Bachelor of Business and Commerce (subject to enrolment requirements).						

Footnotes

* Students must complete this course before enrolling in other courses from the Business Law major.

Business Systems Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
This minor is not available to students completing an Information Technology Management major.						
CIS1101 Business Online	S2	S2			S2, S3	
CIS2000 Systems Analysis and Design	S1	S1			S2, S3, S1	
CIS2002 Database Design and Implementation	S1	S1			S1, S3	
CIS2005 Principles of Information Security	S2	S2			S2	

e-Commerce

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ACC1105 Accounting Principles	S2	S2			S3, S2, S1	Pre-requisite: ACC1101 Enrolment is not permitted in ACC1105 if ACC1102 and/or ACC3101 has been previously completed.
ACC2102 Financial Accounting	S1	S1			S1, S2	Pre-requisite: ACC1105 Enrolment is not permitted in ACC2102 if ACC1102 has been previously completed.
CIS1101 Business Online	S2	S2			S2, S3	
CIS3009 Enterprise Systems in Practice	S2	S2			S3, S2	

Economics and Politics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
POL2000 Political and Economic Ideas	S1				S1	
POL2001 Politics and International Business	S2				S2	
ECO2000 The Macro-economy and Business					S2	
ECO2001 Business Economics					S1	

Employability and Entrepreneurship

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
EMP2020 Career Success					S1	
EMP2030 Employability and Professional Skills					S2	
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
Select one of the following:						
PEW3000 *						
MKT3008 Marketing Project	S1	S1			S1, S2	Pre-requisite: MKT1001 Co-requisite: MKT3001 or CMS3009 or PRL3012 or PRL2012
Or any other course approved by the Program Coordinator.						

Footnotes

* [PWE3000 Professional Work Experience](#) is not available to international students regardless of location or mode of study as it is an elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

Finance

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
FIN1101 Introduction to Corporate Finance *	S1	S2, S1			S3, S1, S2	
Select other courses from the Finance major within the Bachelor of Business and Commerce (subject to enrolment requirements).						

Footnotes

* Students must complete this course before enrolling in other courses from the Finance major.

Global Political Economy

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
INR1000 International Relations in a Globalizing Era	S1				S1	
POL2001 Politics and International Business	S2				S2	
ECO2000 The Macro-economy and Business					S2	
POL2000 Political and Economic Ideas	S1				S1	

Human Resource Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Select four courses from the Human Resource Management major in the Bachelor of Business and Commerce (subject to enrolment requirements).						

Information Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CIS1101 Business Online	S2	S2			S2, S3	
MGT3007 Knowledge Management and Organisational Learning					S1	Enrolment is not permitted in MGT3007 if MGT2008 has been previously completed.
CIS2005 Principles of Information Security	S2	S2			S2	
CIS3008 Information Technology Service Management [^]	S1	S1			S1	

Footnotes

[^] [CIS3008 Information Technology Service Management](#) replaces [MGT3200 Information Management](#). Students who have successfully completed [MGT3200](#) should not complete [CIS3008](#).

International Business

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MGT3001 Global Management	S1	S1			S1, S3	
MKT2014 Global Marketing	S2	S2			S2	Enrolment is not permitted in MKT2014 if MKT2002 has been previously completed.
MGT2002 Perspectives of Organisation [^]	S2	S2			S3, S2	
POL2001 Politics and International Business	S2				S2	

Footnotes

[^] [MGT2002 Perspectives of Organisation](#) has replaced [MGT2060 International Business Environment and Operations](#). Students who have completed [MGT2060](#) prior to 2016 may still count this course as one of the courses in the International Business minor.

Management and Leadership

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MGT2002 Perspectives of Organisation	S2	S2			S3, S2	
MGT2007 Leadership					S1	

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
plus any other two courses from the Management and Leadership major in the Bachelor of Business and Commerce .						

Marketing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Select four courses from the Marketing major in the Bachelor of Business and Commerce (subject to enrolment requirements).						

Marketing Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MKT1001 Introduction to Marketing	S1	S1			S2, S1, S3	
MKT1002 Consumer Behaviour	S1	S1			S2, S1	
plus any other two courses from the Marketing major in the Bachelor of Business and Commerce .						

New Enterprise Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MGT1001 Foundations of Human Resource Management	S1	S1			S1	
MGT3002 Managing Change	S2	S2			S2, S3	
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
MKT1001 Introduction to Marketing	S1	S1			S2, S1, S3	

Politics and International Relations

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
INR1001 Global Transitions and Human Security	S2				S2	
INR2001 Australian Foreign Relations	S2				S2	
POL2000 Political and Economic Ideas	S1				S1	
POL2001 Politics and International Business	S2				S2	

Services Marketing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MKT1001 Introduction to Marketing	S1	S1			S2, S1, S3	
MKT1002 Consumer Behaviour	S1	S1			S2, S1	
MKT2001 Marketing Communications	S2	S2			S3, S2	
MKT2003						

Small Business

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MGT2002 Perspectives of Organisation	S2	S2			S3, S2	
MGT3002 Managing Change	S2	S2			S2, S3	
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
MGT3010 Business Strategy in a Global Environment					S1, S3	Enrolment is not permitted in MGT3010 if MKT3002 has been previously completed.

Strategic Planning

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
FIN1101 Introduction to Corporate Finance	S1	S2, S1			S3, S1, S2	
MGT2204 Business Ethics and Governance	S1				S3, S1	
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
MGT3010 Business Strategy in a Global Environment					S1, S3	Enrolment is not permitted in MGT3010 if MKT3002 has been previously completed.

Tourism

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
TOU1003 Tourism Management		S1			S1	
TOU2008 Ecotourism					S1	
TOU2009 Cultural Tourism		S2			S2	
TOU3010 Event Management		S2			S2	

Wine Business Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Business students - compulsory courses:						
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
WIN1101 Grape and Wine Production					S1	
plus two elective courses from the elective courses list below.						
Non-business students - compulsory courses:						
MGT3004 Creativity, Innovation and Entrepreneurship					S2	
MKT1001 Introduction to Marketing	S1	S1			S2, S1, S3	
WIN1101 Grape and Wine Production					S1	
plus one elective course from the elective courses list below.						
Elective courses:						
MGT2002 Perspectives of Organisation	S2	S2			S3, S2	
MGT3001 Global Management	S1	S1			S1, S3	
MGT3010 Business Strategy in a Global Environment					S1, S3	Enrolment is not permitted in MGT3010 if MKT3002 has been previously completed.
PWE3000 Professional Work Experience~				S3, S2		Pre-requisite: Students must have successfully completed a minimum of 16 units in their program of study. ADCJ students are exempt from the 16-unit pre-requisite, but must have successfully completed EMP2030 to undertake this course.
TOU3010 Event Management		S2			S2	

Footnotes

- ~ [PWE3000 Professional Work Experience](#) is not available to international students regardless of location or mode of study as it is an elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

Creative Arts and Media

Creative Arts Interdisciplinary Studies

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
THE2003 Children's and Young People's Theatre	S1				S1	
VSA1000 Introduction to Art Theory					S1, S3	
FTR1005 Location Production	S2	S2				
MUI1003 Musical Contexts 1: Turning Points in Western Music	S2	S2			S2	

Creative and Critical Writing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CWR1001 Writing Good Prose	S1				S3, S1	
CWR1002 Writing about People	S2				S2	
CWR2001 Fairytales and Other Forms	S1				S1	Pre-requisite: CWR1001 and CWR1002
CWR2002 Writing About Place					S2	Pre-requisite: CWR1001

Film Television and Radio

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
FTR1000 Elements of Graphic Design	S1, S2	S1, S2			S1, S2, S3	
FTR1006 Scriptwriting					S2	
FTR1004 Editing	S2	S2			S2	
FTR1005 Location Production	S2	S2				

Music

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students should check the entry requirements under the [Bachelor of Arts](#) section of this Handbook.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MUI1007 Making Music 1: Learning Musical Languages	S1	S1			S1	
MUI1003 Musical Contexts 1: Turning Points in Western Music	S2	S2			S2	
MUI2006 Musical Contexts 2: Western Popular Music	S1				S1	
MUI3012 Musical Contexts 3: Critical Perspectives	S2				S2	

Theatre

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
THE1001 Theatre in Context 1: Sophocles to Shakespeare	S1				S1	
THE1002 Theatre in Context 2: Bourgeois to Broken	S2				S2	
Choose ONE of the following two courses:						
THE2005 Australian Theatre #	S1				S1	
Or						
THE2006 Theatre Manifesto *						
Choose ONE of the following two courses:						
THE2007 Shakespearean Theatre: Then and Now †						
Or						
THE2008 Modern Drama: Plays in-between †	S2				S2	Pre-requisite: THE1001 or THE1002

Footnotes

Alternates annually with [THS2006](#)

* Alternates annually with [THS2005](#)

‡ alternates with [THE2008 Modern Drama: Plays in-between](#)

† alternates with [THE2007 Shakespearean Theatre: Then and Now](#)

Visual Arts Practice

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Entry to this minor is by interview and presentation of folio. Please refer to [Bachelor of Creative Arts](#) for entry requirements and interview registration form. Entry to this minor is available in semester one only.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
VSA1002 Introduction to Contemporary Art Practice	S1	S1			S1	
VSA1001 Contemporary Art Practice 1	S2	S2			S2	
VSA2002 Contemporary Art Practice 2	S1				S1	Pre-requisite: VSA1001 and VSA1002
VSA2003 Contemporary Art Practice 3	S2				S2	Pre-requisite: VSA1001 and VSA2002

Visual Arts Theory

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
VSA1000 Introduction to Art Theory					S1, S3	
VSA1003 Soft Architecture	S2				S2	
VSA2000 Perspectives in Contemporary Art	S1				S3, S1	
VSA2001 Artists, Works and Processes					S2	

Education

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Engineering and Built Environment

Building and Structures

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

To study this Minor students should have mathematical competencies equivalent to those required to complete the course [ENM1500 Introductory Engineering Mathematics](#).

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ENG1100 Introduction to Engineering Design	S1, S2	S1, S2			S2, S1	
CIV1501 Engineering Statics	S2	S2			S2, S3	Pre-requisite: ENG1500 or MAT1500 or ENM1600 or (ENM1500 and CIV1500) or Students must be enrolled in one of the following Programs: MEPR or GCEN or GEPR
CIV2502 Structural and Building Technology	S2	S2		S2		
CIV2503 Structural Design I	S2	S2			S2	Pre-requisite: (ENG1100 and MEC2402) or (ENG1100 and CIV1501 for students enrolled in one of the following: BETC In frastructure Management major or BENS Infrastructure Management Engineering major) or Students must be enrolled in: GCEN or GEPR

Construction

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CIV2605 Construction Engineering	S1	S1			S1	
CMG2001 Job Organisation	S2	S2			S2	
CIV2502 Structural and Building Technology	S2	S2		S2		
CIV3603 Construction Methods					S2	

Electronic Manufacturing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MEC1201 Engineering Materials	S1, S2	S2, S1			S1, S3, S2	
MEC2202 Manufacturing Processes	S1	S1			S1	Pre-requisite: MEC1201 or Students must be enrolled in one of the following Programs: MEPR or GCEN
ELE1502 Electronic Circuits	S1	S1			S1	
ELE2501 Electronic Workshop and Production	S2	S2			S2	Pre-requisite: (ELE1502 and ELE1801) or Students must be enrolled in the following Program: GCEN

Geographic Information Systems

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
GIS1401 Geographic Data Presentation	S2	S2			S2	
GIS1402 Geographic Information Systems	S1	S1			S1, S3	
and two of the following:						
SVY3202 Photogrammetry and Remote Sensing	S1	S1			S1	
GIS3407 GIS Programming and Visualisation	S1				S1	Pre-requisite: GIS1402 and CSC1401 or Students must be enrolled in one of the following Programs: GDST or MSST or GCST or MENS or MSPT
GIS3405 Spatial Analysis and Modelling	S2				S2	

Land Use Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ENV2201 Land Studies	S1	S1			S1	
URP1001 Introduction to Urban and Regional Planning	S1	S1			S1	
and two of the following:						
AGR3304 Soil Science	S1				S1	
GIS1402 Geographic Information Systems	S1	S1			S1, S3	
SVY3202 Photogrammetry and Remote Sensing	S1	S1			S1	

Materials and Manufacturing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
MEC1201 Engineering Materials	S1, S2	S2, S1			S1, S3, S2	
MEC2202 Manufacturing Processes	S1	S1			S1	Pre-requisite: MEC1201 or Students must be enrolled in one of the following Program s: MEPR or GCEN
MEC3203 Materials Technology	S1	S1			S1	Pre-requisite: MEC1201 or Students must be enrolled in one of the following Program s: GCEN or METC or GCNS or GDNS or MEPR or MENS
MEC3204 Production Engineering	S2	S2			S2	

Health and Community

Child and Family

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

BHMS Bachelor of Human Services students only.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
PSY1030 Cross-Cultural and Indigenous Psychology	S2		S2		S2, S3	
EDU3325 Understanding Child Abuse and Neglect for Helping Professionals⁺					S1, S3	Enrolment is not permitted in EDU3325 if EDU5325 has been previously completed.
HSW2220 Health and Wellbeing Across the Lifespan			S1		S1	
EDU3335 Managing Emotional and Behavioural Problems of Young People in the Helping Professions⁺⁺					S1, S3, S2	Enrolment is not permitted in EDU3335 if EDU5335 has been previously completed.

Footnotes

+ All BHMS students are asked to enrol in EDU3325 as early as possible in the required year of study as places are limited.

++ All BHMS students are asked to enrol in EDU3335 as early as possible in the required year of study as places are limited.

Community Welfare and Development

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students cannot study both HMT2000 and CDS2000 within the one degree.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CDS1000 Community Welfare and Development	S1		S1		S3, S1	
And three of the following:						
CDS1001 Human Relations and Communications				S1		
CDS2000 Ethical Issues and Human Rights in the Human Services			S1		S1	
HSW1000 Foundations of the Human Services Disciplines			S2		S2	
PRL2002 Community Consultation and Development[*]	S1				S1	

Footnotes

* This course is available on-campus at Toowoomba and Springfield campuses in S1.

Counselling

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CDS1001 Human Relations and Communications[*]				S1		
CDS1002 Counselling Skills[*]				S2		

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CDS3002 Counselling Theory and Practice *				S1		Pre-requisite: CDS1002 or (PSY1010 and PSY1020)
CDS3004 Counselling Theory and Practice 2 *				S1		Pre-requisite: CDS1002 Pre-requisite or Co-requisite: CDS3002

Footnotes

* In the current Bachelor of Human Services (Counselling major) these courses have a Residential School for which attendance is voluntary however oncampus students should attend residential schools as attendance is recorded for purposes of eligibility for membership of the ACA or PACFA affiliates. For external students attendance at residential schools is strongly recommended as residential school attendance will be recorded to enable the student to demonstrate that they meet a proportion of the required number of hours of face-to-face instruction/tuition for eligibility to join a PACFA affiliate upon graduation. Students not attending the residential school will not accrue any hours toward eligibility to join a PACFA affiliate upon graduation.

Psychology

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

This minor is intended for students wishing to gain a broad perspective of the field of Psychology.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
PSY1010 Foundation Psychology A	S1		S1		S1, S3	
PSY1020 Foundation Psychology B ~	S2		S2		S2, S1	
and at least two of the following:						
PSY1030 Cross-Cultural and Indigenous Psychology	S2		S2		S2, S3	
PSY2010 Social Processes of Behaviour	S1		S1		S1	Pre-requisite: PSY1010
PSY2020 Motivation and Emotion	S1		S1		S1	Pre-requisite: PSY1010
PSY2030 Developmental Psychology	S2		S2		S2	Pre-requisite: PSY1010
PSY2040 Human Information Processing	S2		S2		S2	Pre-requisite: PSY1020 and (PSY2100 or STA2300)
PSY3030 Abnormal Psychology	S1		S1		S1	Pre-requisite: PSY1010
PSY3050 Counselling Psychology	S2		S2		S2	Pre-requisite: PSY2020
PSY3730 Industrial and Organisational Psychology					S1	Pre-requisite: PSY2010

Footnotes

~ The on-campus Toowoomba offering of this course will not be available in Semester 1 2018.

Humanities and Communication

Advertising

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Students must complete 4 of the following:						
ADV1001 Introduction to Advertising	S1				S1, S3	
ADV1002 Advertising as Engagement	S2				S2	
ADV2000 Advertising, Regulation and Ethics					S1	
ADV2001 Advertising as Communication	S1				S1	Pre-requisite: ADV1001
ADV2002 Advertising: Copywriting and Concept Design	S2				S2	Pre-requisite: ADV2000

Anthropology

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ANT1000 World Archaeology: An Introduction	S2				S2	
ANT1001 Introductory Anthropology	S1				S1, S3	
ANT2007 Ethnographic Methods: Making Anthropology	S2				S2	
Select one of the following two courses:						
ANT2002 Culture, Illness and Health [†]	S1				S1	
ANT2005 Culture, Religion and Belief [‡]						

Footnotes

[†] This course is offered in even-numbered years only.

[‡] This course is offered in odd-numbered years only.

Communication and Media Studies

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students should select four courses from the Communication and Media Studies major, subject to pre-requisite requirements:

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CMS1010 Introduction to Communication Studies	S1	S1			S1	
CMS1012 Introduction to Media Studies	S2	S2			S2	
Select any two courses from the following:						
CMS2017 Television: History, Texts and Industry					S1	
CMS2018 Cultural Industries - Cultural Economies					S2	
CMS2019 Global Hollywood	S1	S1			S1, S3	
CMS3013 New Media					S1	

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
SOC3001 Global Conflict Communication	S1				S1	

Communication and Media Studies - Springfield campus

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CMS1010 Introduction to Communication Studies	S1	S1			S1	
CMS2019 Global Hollywood	S1	S1			S1, S3	
CMS2017 Television: History, Texts and Industry					S1	
CMS2018 Cultural Industries - Cultural Economies					S2	

Criminology and Criminal Justice

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CRI1111 Criminology	S1	S1			S1	Enrolment is not permitted in CRI1111 if LAW3471 has been previously completed.
CRI1121 Crime and Justice	S2				S2	
Choose two of the following:						
CRI2221 Understanding the Social Sciences	S2				S2	
CRI2212 Police and Society	S1				S1	
CRI2222 Victimology in Context					S2	
LAW3479 Family Violence and Child Protection Law	S2				S2	Pre-requisite: (LAW1111 and LAW1112) or LAW1201 or (LAW5111 and LAW5112) or LAW5501 or CMS1000

English Literature

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students should select four courses from the following, subject to pre-requisite requirements:

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ENL1000 Introduction to Literature	S1	S1			S3, S1	
ENL1001 Australian Stories	S2	S2			S2	
ENL2006 Literature and Adolescence: Writing the Child		S1			S1	
ENL2004 Gothic Stories: Terror over Time	S2	S2			S2	
ENL2005 Shakespeare and Early Modern Literature					S2	
ENL2007 Speculative Fictions / Science Fiction	S1				S1	
ENL3000 Modernism		S1			S1	Pre-requisite: ENL1000
ENL3007 Law and Literature					S1	
ENL3008 Screening Literature: Texts in Adaptation		S2			S2	

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ENL3004 The Literary Canon: How to Read Great Books					S2	Pre-requisite: ENL1000 or ENL1001
ENL3006 The Art of Storytelling *						

Footnotes

* Students who have completed ENL2003 must not enrol in ENL3006.

History - Springfield campus

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
HIS1000 World History to 1500 CE	S1	S1			S3, S1	
HIS1001 Australian Colonies to Federation, 1788-1901	S2	S2			S2	
HIS2103 World History Since 1500 CE	S2	S2			S2	
HIS2001 Race Relations in Australian History ‡						
HIS3005 Europe: History of an Idea †	S1				S1	Pre-requisite: Any First Year History Course

Footnotes

‡ This course is offered in odd-numbered years only.

† This course is offered in even-numbered years only.

History

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
HIS1001 Australian Colonies to Federation, 1788-1901	S2	S2			S2	
HIS2103 World History Since 1500 CE	S2	S2			S2	
Select two of:						
HIS2000 Contemporary Australia †	S1				S1	Pre-requisite: One unit of History or INR1000 or INR1001
HIS2001 Race Relations in Australian History						
HIS3005 Europe: History of an Idea †	S1				S1	Pre-requisite: Any First Year History Course

Footnotes

† This course is offered in even-numbered years only.

Indigenous Studies

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ISE1000 Introduction to Aboriginal and Torres Strait Island Australia	S1		S2		S1, S2	
Select three of the following four courses:						
ISE1001 First Nations Literature and Writings	S1				S1	

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
ISE1002 Comparative and Contemporary Indigenous Cultures	S2				S2	
ISE2002 Human Rights and Ideologies of the Nation State	S1				S1	
ISE3000 Language, Culture, Country and Community	S1				S1	

International Relations

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
INR1000 International Relations in a Globalizing Era	S1				S1	
INR1001 Global Transitions and Human Security	S2				S2	
INR2000 Issues in a Globalizing World	S1				S1	
INR2001 Australian Foreign Relations	S2				S2	

Journalism

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
JRN1020 Journalism Practice [^]	S2	S2			S2, S3	
JRN2000 News Reporting	S1	S1			S1	Pre-requisite: JRN1000 or JRN1020
JRN1010 News Literacy [#]	S1	S1			S1	
JRN2006 Media Law and Ethics ^{†¶}					S2	

Footnotes

[^] Formerly JRN1000: Students who have completed JRN1000 should not enrol in JRN1020.

[#] Formerly JRN2010: Students who have successfully completed JRN2010 should not enrol in JRN1010.

^{*} This course is compulsory.

^{†¶} Students who have successfully completed JRN3006 should not enrol in JRN2006

Language and Culture

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Commencing students in the Language and Culture Major must elect to study either the German or Mandarin Chinese streams. They are advised to contact the Faculty of Business, Education, Law and Arts to arrange appropriate enrolment patterns.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
LAC1001						
LAC1002						
LAC2001						
LAC2002						

Public Relations

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
PRL1002 Principles and Practice of Public Relations	S1	S1			S3, S1	
PRL1005 Social Media Engagement	S2	S2			S2	
PRL2003 Writing for Public Relations	S1				S1	
PRL2001 Issues and Crisis Management					S2	

Publishing Studies

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
PUB1001 Publishing and Culture						
PUB3001						
PUB3002						
Select one of the following two courses:						
HMT3001 Independent Study Project A					S1	Pre-requisite: Completion of 16 units, of which 5 must be in area of proposed study project; subject to agreement of appropriate supervisor. Enrolment is not permitted in HMT3001 or HMT3002 if PRL3002 has been previously completed.
HMT3002 Independent Study Project B					S2	Pre-requisite: Completion of 16 units, of which 5 must be in area of proposed study project; subject to agreement of appropriate supervisor. Enrolment is not permitted in HMT3001 or HMT3002 if PRL3002 has been previously completed.

Information Technology

Computing

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CSC1401 Foundation Programming	S1, S3, S2	S1, S2			S1, S3, S2	
and three or more of:						
MAT1101 Discrete Mathematics for Computing	S1	S1			S1	
CSC2401 Algorithms and Data Structures	S2				S2	Pre-requisite: CSC2402 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
CSC2402 Object-Oriented Programming in C++	S1				S1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
CSC2404 Operating Systems	S2	S2			S2	Pre-requisite: CSC1401 or CSC2408 or have experience using Linux systems or students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
CSC2407 Introduction to Software Engineering	S2	S2			S2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
CSC2408 Software Development Tools	S1, S2	S1, S2			S1, S2	
CSC2406 Web Technology 1	S2	S2			S2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or BSED
CSC3400 Database Systems						
CSC3407 Network Fundamentals and Routing	S1	S1			S1	

Data Analytics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CSC2410 Computational Thinking with Python	S2	S2			S2	
CSC3501 Principles of Data Science and Visualisation	S2	S2			S2	
CSC3502 Principles of Big Data Management	S2	S2			S2	
STA3200 Multivariate Statistical Methods					S1	Pre-requisite: STA2300

Information Systems Development

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CIS2000 Systems Analysis and Design	S1	S1			S2, S3, S1	
CIS2002 Database Design and Implementation	S1	S1			S1, S3	
CIS3002 Agile Methods	S1	S1			S2, S1	
CIS3010 Oracle Development	S2				S2	Pre-requisite: CIS2002

Information Systems Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CIS2005 Principles of Information Security	S2	S2			S2	
CIS3003 Networks and Distributed Systems	S1	S1			S1	
CIS3008 Information Technology Service Management	S1	S1			S1	
CIS3009 Enterprise Systems in Practice	S2	S2			S3, S2	

Sciences

Applied Mathematics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Choose at least four of the following courses:						
MAT1101 Discrete Mathematics for Computing	S1	S1			S1	
MAT1102 Algebra and Calculus I	S1				S1	
MAT2100 Algebra and Calculus II	S2				S2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
MAT2200 Operations Research 1	S2				S2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
STA2301 Distribution Theory	S1				S1	Pre-requisite: STA2300 or equivalent and (MAT1102 or ENM1600)
MAT3104 Mathematical Modelling in Financial Economics[#]					S2	Pre-requisite: (STA2300 or equivalent) and (MAT2100 or MAT2500 or ENM2600)
MAT2409 High Performance Numerical Computing	S1				S1	Pre-requisite: (CSC2410 or CSC1401) and (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPIT or MCOT or MCTE
MAT3105 Harmony of Partial Differential Equations^{##}	S1				S1	Pre-requisite: ENM2600 or MAT2100 or MAT2500
MAT3103 Mathematical Modelling and Dynamical Systems^{##}	S2				S2	Pre-requisite: MAT2100 or MAT2500 or ENM2600

Footnotes

The on-campus offering of this course is offered in odd years only.

The on-campus offering of this course is offered in even years only.

Biology

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
BIO1101 Biology 1[#]	S1			S1		HR	
BIO2103 Biology 2[#]	S2			S2		HR	Pre-requisite: BIO1101
and any two or more from the following:							
BIO2219 Genetics	S2				S2		Pre-requisite: (BIO1100 or BIO1101 or BIO1204)
BIO2107 Cell and Molecular Biology 1	S1				S1		Pre-requisite: CHE2120
BIO2202 Plant Physiology[#]	S2			S2		HR	Pre-requisite: BIO1101
BIO2118 Systems Physiology and Pharmacology	S1			S1			Pre-requisite: BIO1203
REN1201 Environmental Studies	S1	S1			S1		
REN2200 Ecology for Sustainability	S1				S1		
REN3302 Sustainable Resource Use	S2				S2		

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
REN3301 Biodiversity and Conservation	S2				S2		

Footnotes

If studied externally, [Residential School](#) attendance is highly recommended.

Ecology and the Environment, Climate and Sustainability

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

This minor is intended for students enrolled in the with an interest in biology and the environment, climate and sustainability. The minor will give students additional knowledge and skills to increase their ability to enhance their teaching of Science at Primary School.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CLI1110 Weather and Climate	S1				S1	
REN1201 Environmental Studies	S1	S1			S1	
REN3301 Biodiversity and Conservation	S2				S2	

And any one or more of the following:

REN2200 Ecology for Sustainability	S1				S1	
REN3302 Sustainable Resource Use	S2				S2	
CLI2201 Climate Change and Variability					S2	

Chemistry

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

This minor is designed to introduce students to basic general chemistry. The seven courses listed provide the content knowledge for a teaching specialisation in Chemistry. Chemistry 1 assumes little prior knowledge.

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
CHE1110 Chemistry 1 [#]	S1			S1		HR	
CHE2120 Chemistry 2 [#]	S2			S2		HR	Pre-requisite: CHE1110
and any two or more from the following:							
BIO2119 Biochemistry of Nutrition	S2				S2		Co-requisite: CHE2120
BIO3219 Biochemistry of Human Diseases	S1				S1		Pre-requisite: BIO2119
BIO1101 Biology 1 [#]	S1			S1		HR	
BIO2103 Biology 2 [#]	S2			S2		HR	Pre-requisite: BIO1101
PHY1104 Physics 1					S1		

Footnotes

If studied externally, [Residential School](#) attendance is highly recommended.

Climatology

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CLI1110 Weather and Climate	S1				S1	
CLI2201 Climate Change and Variability					S2	

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
CLI3301 Climate and Environment Risk Assessment					S1	
CLI3302 Adaptation to Climate Change					S2	

Mathematics and Physical Sciences

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

This minor requires pre-requisite courses and is intended for students enrolled in the with an interest in mathematics and physical sciences. The minor will give students additional knowledge and skills to increase their ability to enhance their teaching of Science at Primary School.

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
MAT1100 Foundation Mathematics	S2	S2			S2		
and three from:							
CHE1110 Chemistry 1 [#]	S1			S1		HR	
CHE2120 Chemistry 2 [#]	S2			S2		HR	Pre-requisite: CHE1110
MAT1102 Algebra and Calculus I	S1				S1		
MAT2100 Algebra and Calculus II	S2				S2		Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
PHY1101 Astronomy 1					S1		
PHY1911 Physics 2					S2		
PHY1104 Physics 1					S1		
PHY2204 Astronomical Techniques					S1		Pre-requisite: PHY1104 and PHY1911

Footnotes

If studied externally, [Residential School](#) attendance is highly recommended.

Operations Management

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
Choose four of the following in consultation with the Faculty of Health, Engineering and Sciences						
MGT3102 Decision Support Systems						
MAT3201 Operations Research 2 [#]					S1	Pre-requisite: MAT1200 or MAT2200 or Students must be enrolled in one of the following Programs: MSCN or GDSI
MGT2103 Business Logistics						
MGT2104						
MGT3100						

Footnotes

The on-campus offering of this course is offered in odd years only.

Physics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

This minor provides a minor in Physics for students wishing to undertake this important enabling Science. Selection of any seven courses listed provides the content knowledge for a teaching specialisation in Physics.

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
PHY1104 Physics 1					S1		
PHY1101 Astronomy 1					S1		
and any two or more of the following:							
PHY1107 Astronomy 2					S2		
PHY2206 Medical Physics					S2		
PHY2204 Astronomical Techniques					S1		Pre-requisite: PHY1104 and PHY1911
PHY3303 Modern Physics				S1		HR	
CLI2201 Climate Change and Variability					S2		
BIO1101 Biology 1	S1			S1		HR	
CHE1110 Chemistry 1	S1			S1		HR	
MAT1102 Algebra and Calculus I	S1				S1		

Statistics

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Enrolment requirements	
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
Choose at least four of the following courses:							
STA2301 Distribution Theory	S1				S1	Pre-requisite: STA2300 or equivalent and (MAT1102 or ENM1600)	
STA2302 Statistical Inference	S2				S2	Pre-requisite: STA2301	
STA3300 Experimental Design	S1				S1	Pre-requisite: STA2300 or equivalent or approval of examiner	
STA3301 Statistical Models	S2				S2	Pre-requisite: STA3300 or approval of examiner	
STA3200 Multivariate Statistical Methods					S1	Pre-requisite: STA2300	

Wine Science

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	On-campus			External EXT	Online ONL	Residential school	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)				
WIN1101 Grape and Wine Production					S1		
WIN2210 Viticultural Principles and Production					S2		Pre-requisite: WIN1101
WIN2220 Wine Production					S2		Pre-requisite: WIN1101
WIN3310 Wine Sensory Analysis				S2		M	Pre-requisite: WIN1101

Non-specific minors

Environmental Studies

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students studying this minor will obtain an understanding of the processes that affect the environment and the ways in which the environment may be better managed through more sustainable practices. These studies

will also assist students to understand the relationship of their major studies to the social, scientific, economic and technical aspects of human interaction with the environmental quality.

Course	On-campus			External EXT	Online ONL	Enrolment requirements
	Toowoomba (ONC)	Springfield (ONC)	Ipswich (ONC)			
REN1201 Environmental Studies	S1	S1			S1	
CLI1110 Weather and Climate	S1				S1	
ENV2201 Land Studies	S1	S1			S1	
and one or more of the following courses:						
REN3301 Biodiversity and Conservation	S2				S2	
REN3302 Sustainable Resource Use	S2				S2	
REN2200 Ecology for Sustainability	S1				S1	
AGR3304 Soil Science	S1				S1	
ENV4204 Environmental Technology	S1				S1	Pre-requisite: ENV2105 or Students must be enrolled in one of the following Programs: PDEV or GCEN or METC or MEPR or GCNS or GDNS or MENS
LAW2107 Environmental Law		S1			S1	Co-requisite: LAW1101 or LAW1500 or ENG2002 or REN1201 or (Students enrolled in BEDU (Legal Studies) or BLAW or LLBP or BALW or BBLA or BCLA or BCLW & Co-requisite LAW1201 or LAW1111) or (Students enrolled in DJUR & Co-requisite LAW5501 or LAW5111)

Consult the Handbook on the Web at <http://www.usq.edu.au/handbook/current> for any updates that may occur during the year.