

Handbook 2020

Coursecode

B1368

BACHELOR OF EDUCATION (SECONDARY TEACHING)

Murdoch University

Correct as at: 19 February 2020 at 9:17pm

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The information contained within this publication was correct as at the generated date shown above but is subject to amendment without notice.

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TEQSA Number PRV12163; CRICOS Provider Code: 00125J

Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Alternative Formats

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ISSN 0815-9068

Published by

University Secretary's Office

Murdoch University



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Group	Course	Offerings
Education	Biology and Environmental Science Major Teaching Area□ (BEEd(Sec))	<ul style="list-style-type: none"> • Murdoch campus (internal) • Some units only; Murdoch campus (external)

EDUCATION

BIOLOGY AND ENVIRONMENTAL SCIENCE MAJOR TEACHING AREA (BED(SEC))

Education

Bachelor of Education (Secondary Teaching) (BEd(Sec)) in Biology and Environmental Science Major Teaching Area

Course Codes: B1368

Duration: 4 years Full-time or part-time equivalent. Mid year commencement may result in a longer duration due to unit availability.

Availability:

- Murdoch campus (internal)
 Some units only: Murdoch campus (external)

As a result of undertaking this major area of study students will develop a detailed and coherent body of knowledge and skills. Learning outcomes access an understanding of principles and concepts for the professional practice as a teacher of ATAR Science (Biology and Environmental Science).

Upon successfully completing the B.Ed (Secondary Teaching), graduates may apply for registration to teach a Major teaching area and a Minor Teaching area at the secondary school level. Students will study both areas concurrently within the Bachelor of Education. The Bachelor of Education course learning outcomes address both AQF Level 7 and the Graduate Teacher Standards established by the Australian Institute for Teaching and School Leadership (AITSL), the professional standards for initial registration as a teacher in Australia.

As a result of this course students will develop a broad and coherent body of knowledge and skills, an underlying understanding of principles and concepts for their professional practice as a teacher and/or for another professional role in education.

Selection of Major Teaching Area and Minor Teaching Area options are limited to the following areas/subjects in secondary schools:

Major Teaching Areas:

English
Humanities and Social Sciences (Geography and Economics; History; OR Politics)
Mathematics (Advanced Mathematics OR Mathematics)
Physical Education (Must be combined with Health Education Minor Teaching area)
Science (Biology and Environmental Science, Biology and Human Biology, Chemistry
(must be combined with Mathematics Minor Teaching area), Earth and
Environmental Science, Physics (must be combined with Mathematics Minor Teaching area)

Minor Teaching Areas:

English
Health Education (Must be combined with Physical Education Major Teaching area)
Humanities and Social Sciences
Mathematics Science, Biological Science, Chemistry, Earth and Environmental Science, Physics)
Advice about suitable teaching areas/subjects may be obtained from the Academic Chair (Secondary).
Professional Experience: There are 80 days of mentored teaching practice in this course.
This course requires students to undertake work-based training through a compulsory work-based placement as part of their studies.

Admission Requirements (Onshore):

As per normal undergraduate requirements

Excluded Double Majors:

Advanced Mathematics Major Teaching Area; Chemistry Major Teaching Area; Earth and Environmental Science Major Teaching Area; Geography and Economics (HASS) Major Teaching Area; Physical Education Major Teaching Area; Physics Major Teaching Area; Biology and Human Biology Major Teaching Area; English Major Teaching Area; History (HASS) Major Teaching Area; Mathematics Major Teaching Area; Politics (HASS) Major Teaching Area

Main Research Areas:

Education

Recommended Co-Majors:

English Minor Teaching Area
Humanities and Social Sciences Minor Teaching Area
Mathematics Minor Teaching Area

Excluded Co-Majors:

Biological Science Minor Teaching Area
Chemistry Minor Teaching Area
Earth and Environmental Science Minor Teaching Area
Physics Minor Teaching Area
Health Education Minor Teaching Area

Humanities and Social Sciences Minor Teaching Area
Mathematics Minor Teaching

Course Structure - 96 credit points

Course Core - 45 credit points

Year 1 - 12 credit points

Course Core Units - 12 credit points

EDN199 SimLab Entry Screening - 0 points

MURDOCH: S1E-internal, S2E-internal

EDN298 LANTITE - Literacy - 0 points

MURDOCH: AU7-external, AW1-external, SP2-external, SS2-external

EDN299 LANTITE - Numeracy - 0 points

MURDOCH: AU7-external, AW1-external, SP2-external, SS2-external

BED100 Ideas in Education - 3 points

MURDOCH: S1E-internal, S1E-external, S2E-internal, S2E-external

BED150 Understanding Teachers' Work - 3 points

MURDOCH: S2E-internal, S2E-external

EDN111 Language for Learning and Teaching - 3 points

MURDOCH: S1E-internal, S1E-external

EDN113 Living and Learning with Technology - 3 points

MURDOCH: S1E-internal, S1E-external

Year 2 - 9 credit points

Course Core Units - 9 credit points

BED200 Assessment and Action Research - 3 points

MURDOCH: S2E-internal, S2E-external

EDN221 Learning and Teaching - 3 points

MURDOCH: S1E-internal, S1E-external

EDN2101 Professional Experience: BEd Secondary Teaching - 3 points

MURDOCH: S2E-external

Year 3 - 9 credit points

Course Core Units - 9 credit points

EDN340 Professional Experience Secondary Teaching - 3 points

MURDOCH: S2E-internal, S2E-external

EDN353 Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum - 3 points

MURDOCH: S1E-internal, S1E-external

EDN358 Creating and Managing Effective Learning Environments - 3 points

MURDOCH: S1E-internal, S1E-external

Year 4 - 15 credit points

Course Core Units - 15 credit points

EDN451 Adolescent Family and Community Health - 3 points
MURDOCH: UA4-internal

EDN449 Inclusive Education - 3 points
MURDOCH: S2E-internal, S2E-external

EDN499 Quality Teaching Performance Assessment - 3 points
MURDOCH: UW1-internal, UW1-external, YU2-internal, YU2-external

EDN4301 Final Professional Experience 2: Secondary Teaching - 6 points

MURDOCH: ST3-placement

Major - 30 credit points

Choose one of the Major Teaching Areas below:

MJ-AMAS Advanced Mathematics Major Teaching Area
MJ-BEVS Biology and Environment Science Major Teaching Area
MJ-BHBS Biology and Human Biology Major Teaching Area
MJ-CHES Chemistry Major Teaching Area
MJ-EESS Earth and Environmental Science Major Teaching Area
MJ-ENGS English Major Teaching Area
MJ-HISS History (HASS) Major Teaching Area
MJ-GECS Geography and Economics (HASS) Major Teaching Area
MJ-MAMS Mathematics Major Teaching Area
MJ-PHES Physical Education Major Teaching Area
MJ-PHSS Physics Major Teaching Area
MJ-POLS Politics (HASS) Major Teaching Area

Major Structure - 30 credit points

100 Level Units - 12 credit points

Core Units - 9 credit points

BIO103 Environmental Biology - 3 points
MURDOCH: S1-internal, S1-external

BIO152 Cell Biology - 3 points
MURDOCH: S1-internal (quota of 180 places), S2-internal

ENV102 Foundations of the Environment - 3 points
MURDOCH: S2-internal, S2-external

Specified Electives - 3 credit points

Select from the following:

CHE140 Fundamentals of Chemistry - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

CHE144 Foundations of Chemistry - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

200 Level Units - 6 credit points

Core Units - 6 credit points

BIO257 Australian Biodiversity - 3 points
MURDOCH: S2-internal

ENV241 Ecology - 3 points
MURDOCH: S2-internal, S2-external

300 Level Units and 400 Level Units - 12 credit points

Core Units - 6 credit points

EDN376 Teaching Science - 3 points
MURDOCH: S1E-internal, S1E-external

EDN476 Teaching Senior Secondary Science - 3 points

MURDOCH: AU7-internal, AU7-external

Specified Electives - 6 credit points

Select from the following:

BIO356 Genetics and Evolution - 3 points
MURDOCH: S1-internal

BIO375 Conservation Biology - 3 points
MURDOCH: S1-internal

BIO376 Wildlife Biology - 3 points
MURDOCH: S2-internal

BIO379 Evolutionary Analysis - 3 points
MURDOCH: S2-internal

ENV332 Managing Wetlands and Water - 3 points
MURDOCH: S2-internal, S2-external

ENV334 Environmental Restoration - 3 points
MURDOCH: S1-internal (quota of 60 places), S1-external (quota of 60 places)

Co-Major - 21 credit points

Choose one of the Minor Teaching Areas:

CJ-BESM Biological Science Minor Teaching Area
CJ-CHEM Chemistry Minor Teaching Area
CJ-EESM Earth and Environmental Science Minor Teaching Area
CJ-ENGM English Minor Teaching Area
CJ-HEEM Health Education Minor Teaching Area
CJ-HSSM Humanities and Social Studies (HASS) Minor Teaching Area
CJ-MATM Mathematics Minor Teaching Area
CJ-PHSM Physics Minor Teaching Area

PREREQUISITES

Adolescent Family and Community Health (EDN451)

Enrolment in a Bachelor of Education Secondary

Assessment and Action Research (BED200)

Successful completion of EDN111 Language for Learning and Teaching AND BED150/EDN112/EDN1121 Understanding Teachers' Work OR EDU101/1011 Introduction to Teaching AND successful completion of EDN221 Learning and Teaching.

Australian Biodiversity (BIO257)

Nil.

Cell Biology (BIO152)

A thorough knowledge of ATAR Chemistry is assumed. For students who did not achieve a WACE course score of more than 50% in Chemistry (3A/3B) or Chemistry ATAR within the three years immediately preceding enrolment, completion of CHE140 Fundamentals of Chemistry is required.

Successful completion of BSC100 Building Blocks for Science Students is required. BEd(Sec) students not meeting these prerequisite requirements will need to seek approval from their Academic Chair to participate in this unit.

Conservation Biology (BIO375)

ENV268/ENV241 Ecology

Country, Cultures, Peoples: Aboriginal and Torres Strait Islander Perspectives Across the Curriculum (EDN353)

Enrolment in an initial teacher education course.

Successful completion of EDN221 Learning and Teaching

Creating and Managing Effective Learning Environments (EDN358)

Co-enrolment in, or successful completion of, EDN221 Learning

and Teaching

Ecology (ENV241)

BIO103 Environmental Biology/Introduction to Environmental Biology or BIO180 Introduction to Marine Biology.

Environmental Biology (BIO103)

Nil.

Environmental Restoration (ENV334)

BIO103 Environmental Biology/Introduction to Environmental Biology. Students are strongly recommended to complete ENV268/ENV241 Ecology.

Evolutionary Analysis (BIO379)

BIO356/BIO372 Genetics and Evolution.

Final Professional Experience 2: Secondary Teaching (EDN4301)

Enrolment in the final semester of the Bachelor of Education (Secondary).

Concurrent enrolment in EDN499 Quality Teaching Performance Assessment (QTPA).

Successful completion of EDN298 LANTITE Literacy, EDN299 LANTITE Numeracy and 87 credit points

Foundations of Chemistry (CHE144)

A thorough knowledge of Chemistry ATAR is assumed. Students who did not achieve a final scaled score of 50 percent or more in Chemistry ATAR within the three years immediately preceding this enrolment are required to pass CHE140 Fundamentals of Chemistry before enrolling in this unit.

Foundations of the Environment (ENV102)

Nil.

Fundamentals of Chemistry (CHE140)

Knowledge of chemistry to the level of Year 10 (fourth year of WA secondary school) or equivalent and reasonable grounding in basic mathematics are assumed.

Genetics and Evolution (BIO356)

BIO152 Cell Biology/Foundations of Cell and Molecular Biology/Foundations of Cell Biology and either MAS183 Statistical Data Analysis and Databases or MAS182 Applied Mathematics or equivalent.

Ideas in Education (BED100)

Enrolment in an initial teacher education course.

Inclusive Education (EDN449)

Enrolment in the Bachelor of Education and successful completion of or enrolment in EDU245 Learning and Assessment Processes or EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent; or EDN221/EDN208 Learning, Teaching and Assessment 1 or EDN222 Learning, Teaching and Assessment 2 or BED200 Assessment and Action Research or enrolment in Graduate Certificate in Inclusive Education, Graduate Diploma in Education (Secondary); Graduate Diploma in Education Studies. Students without the prerequisite should consult the Unit Coordinator.

LANTITE - Literacy (EDN298)

Nil.

LANTITE - Numeracy (EDN299)

Nil.

Language for Learning and Teaching (EDN111)

Enrolment in an initial teacher education course.

Learning and Teaching (EDN221)

Successful completion of BED150/EDN112/EDN1121 Understanding Teachers' Work, and EDN111 Language for Learning and Teaching

Living and Learning with Technology (EDN113)

Enrolment in an initial teacher education course

Managing Wetlands and Water (ENV332)

ENV241/ENV268 Ecology

Professional Experience Secondary Teaching (EDN340)

Enrolment in a Bachelor of Education (Secondary); successful completion of EDN2101 Professional Experience: BEd Secondary Teaching. Students must be currently enrolled in or have successfully completed the relevant Curriculum unit to be eligible for this placement in schools.

Professional Experience: BEd Secondary Teaching (EDN2101)

Successful completion of EDN221/EDN208 Learning and Teaching; and concurrent enrolment in or completion of BED200 Assessment and Action Research.

Quality Teaching Performance Assessment (EDN499)

Co-enrolment in either EDN435 Final Professional Experience: Early Childhood Teaching OR EDN4300 Final Professional Experience: Primary Teaching OR EDN4301 Final Professional Experience: Secondary Teaching OR EDN615 Final Professional Experience: Research in Practice OR EDN681 Final Professional Experience Secondary: Research in Practice OR EDN510 Final Professional Experience 2: Secondary Graduate Diploma.

Successful completion of your Final Professional Experience Unit is required before you can undertake Component D: Oral Presentation

SimLab Entry Screening (EDN199)

Nil

Teaching Science (EDN376)

Successful completion of EDN2101 Professional Experience: BEd Secondary Teaching.

Teaching Senior Secondary Science (EDN476)

Successful completion of EDN376 Teaching Science.

Understanding Teachers' Work (BED150)

Successful completion of BED100 Ideas in Education and EDN199 SimLab Entry Screening. Enrolment in an initial teacher education course or permission from the Unit Coordinator.

Wildlife Biology (BIO376)

BIO368 Conservation Biology or BIO375 Conservation Biology

Personal Study Plan

Unit Sets:

Year	Semester 1	Semester 2
1		
2		
3		
4		