

Handbook 2020

Coursecode

B1361

BACHELOR OF SCIENCE IN CHIROPRACTIC SCIENCE (no direct entry)

Murdoch University

Correct as at: 28 January 2020 at 10:08pm

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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

Handbook home page:

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ISSN 0815-9068

Published by

University Secretary's Office

Murdoch University



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Group	Course	Offerings
Chiropractic	Chiropractic Science + Clinical Chiropractic (BSc+BClinChiro)	• Murdoch campus (internal)

CHIROPRACTIC

CHIROPRACTIC SCIENCE + CLINICAL CHIROPRACTIC (BSC+BCLINCHIRO)

Duration: 5 years full-time or part-time equivalent

Availability:

- Murdoch campus (internal)

Psychology

Course Codes: B1331 B1361

Restriction: Enrolment is subject to restriction due to constraints on unit enrolments.

Admission Requirements (Onshore):

As per normal undergraduate admission requirements. Highly recommended subjects: Physics 3A/3B, Chemistry 3A/3B, Mathematics and Human Biological Science 3A/3B.

The Chiropractic Science major within the Bachelor of Science provides specialised knowledge enabling students to understand the fundamental elements of human anatomy, immunology, genetics, and microbiology. The major also includes a thorough understanding of chiropractic skills including physical examination, diagnosis with an emphasis on clinical orthopaedics and neurology. The major will provide skills to allow students to progress to the Bachelor of Clinical Chiropractic which prepares graduates for registration as Chiropractors within Australia and New Zealand.

The Bachelor of Clinical Chiropractic aims to build on the BSc (Chiropractic Science) to produce registrable graduates who have the evidence based practice skills to diagnose, treat and prevent pain and disability of the spine and musculoskeletal system. Graduates become proficient in manual and other therapies, physical rehabilitation and general well-being. As primary contact practitioners graduates will also be able to recognise signs and symptoms of a wide variety of other conditions and where appropriate refer to other health providers.

The Bachelor of Science (Chiropractic Science) degree is conferred following successful completion of the first three years of study. The Bachelor of Clinical Chiropractic degree is awarded following the successful completion of the final two years of study. Both degrees are essential for registration and clinical practice.

This course requires students to undertake work-based training through a compulsory work-based placement as part of their studies.

Bachelor of Science (BSc) in Chiropractic Science + Bachelor of Clinical Chiropractic (BClinChiro)

Special Requirements:

Immunisation: Students should note that immunisation is required for Chiropractic according to Category A, Schedule 1 of the University policy on Immunisation seen here:

<https://policy.murdoch.edu.au/docview/?docid=1536&public=true>

Other vaccinations may be required when treating special populations.

Course Structure - 120 credit points

Part I - 24 credit points

Year 1 - 24 credit points

Transition Unit - 3 credit points

BSC100 Building Blocks for Science Students - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Breadth Unit for Degree - 3 credit points

The following unit is no longer available - contact the Academic

Chair for advice:

BSC150 What is Science? - 3 points
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Core Units - 18 credit points

CHI109 Introduction to Chiropractic - 3 points
MURDOCH: S1-internal

CHI168 Introduction to Musculoskeletal Human Anatomy - 3 points
MURDOCH: S1-internal

BMS107 Foundations of Vertebrate Form and Function - 3 points
MURDOCH: S2-internal

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

CHI108 Human Anatomy I - 3 points
MURDOCH: S2-internal

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

Part II - 96 credit points

Year 2 - 24 credit points

Research Skills Unit - 3 credit points

BSC206 Introduction to Research Methodology and Evidence Based Practice - 3 points
MURDOCH: S2-internal

Core Units - 21 credit points

CHI255 Human Anatomy II - 3 points
MURDOCH: S1-internal

BMS206 Biomedical Physiology - 3 points
MURDOCH: S1-internal

CHI205 Immunology, Genetics and Microbiology - 3 points
MURDOCH: S1-internal

BIO247 Biochemistry - 3 points
MURDOCH: S2-internal

CHI234 Human Anatomy III - 3 points
MURDOCH: S2-internal

CHI293 Physical Examination - 3 points
MURDOCH: S2-internal

CHI247 Clinical Biomechanics - 3 points
MURDOCH: S1-internal

Year 3 - 24 credit points

Research Skills Unit - 3 credit points

BSC306 Research and Evidence Based Practice - 3 points
MURDOCH: S1-internal

Core Units - 21 credit points

CHI391 Processes in Human Disease - 3 points
MURDOCH: S1-internal

CHI354 Chiropractic Skills - 3 points
MURDOCH: S1-internal

CHI335 Diagnosis I - 3 points
MURDOCH: S1-internal

CHI336 Diagnosis II - 3 points
MURDOCH: S2-internal

CHI337 Diagnosis III - 3 points
MURDOCH: S2-internal

CHI338 Technique I - 3 points
MURDOCH: S2-internal

CHI339 Technique II - 3 points
MURDOCH: S2-internal

Year 4 - 24 credit points

Core Units - 24 credit points

CHI440 Clinical Radiology - 3 points
MURDOCH: S1-internal

CHI456 Differential Diagnosis - 3 points
MURDOCH: S1-internal

CHI459 Pharmacology and Nutrition - 3 points
MURDOCH: S2-internal

CHI485 Preclinical Practicum 1 - 3 points
MURDOCH: S1-internal

CHI486 Preclinical Practicum 2 - 3 points
MURDOCH: S2-internal

CHI457 Clinical Biomechanics - 3 points
MURDOCH: S1-internal

CHI448 Rehabilitation and Physical Therapy I - 3 points
MURDOCH: S2-internal

CHI441 Radiography: Principles and Positioning - 3 points
MURDOCH: S2-internal

Year 5 - 24 credit points

Core Units - 24 credit points

CHI449 Rehabilitation and Physical Therapy II - 3 points
MURDOCH: S1-internal

CHI466 Mental Health Issues in Chiropractic Care and Applied Nutrition - 3 points
MURDOCH: S1-internal

CHI499 Clinical Practicum - 12 points
MURDOCH: YU5-placement

CHI467 Ethics, Jurisprudence and Professional Practice Management - 3 points
MURDOCH: S2-internal

CHI458 Public Health and Nutrition III - 3 points
MURDOCH: S2-internal

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.

Chiropractic Skills (CHI354)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of the following units: CHI283 or CHI293 Physical Examination, CHI280 Human Anatomy I OR CHI234 Human Anatomy III, and CHI282 or CHI255 Human Anatomy II.

Clinical Biomechanics (CHI247)

Enrolment in Chiropractic Science / Clinical Chiropractic (BSc/BClinChiro), and successful completion of Year 1, or permission of the Unit Coordinator.

Clinical Biomechanics (CHI457)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3, or permission of the Unit Coordinator.

Clinical Practicum (CHI499)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1-4 as well as successful completion of CHI485 Preclinical Practicum I and CHI486 Preclinical Practicum II.

Clinical Radiology (CHI440)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3, or permission of the Unit Coordinator.

Diagnosis I (CHI335)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of CHI255 Human Anatomy II, CHI293 (or CHI283) Physical Examination, and either BMS264 Biomedical Physiology OR BMS206 Biomedical Physiology.

Diagnosis II (CHI336)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1 and 2, CHI335 Diagnosis I.

Diagnosis III (CHI337)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1 and 2, and CHI335 Diagnosis I and CHI354 Chiropractic Skills.

Differential Diagnosis (CHI456)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3 (Chiropractic Science), or permission of the Unit Coordinator.

Ethics, Jurisprudence and Professional Practice Management (CHI467)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1-4.

Foundations of Vertebrate Form and Function (BMS107)

Nil. Highly recommended: BMS101 Introduction to the Human Body or ANS102 Introduction to the Animal Body.

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.

Human Anatomy I (CHI108)

CHI168 Introduction to Human Musculoskeletal Anatomy OR BMS101 Introduction to the Human Body

PREREQUISITES

Biochemistry (BIO247)

BIO152 Cell Biology/Foundations of Cell and Molecular Biology/Foundations of Cell Biology

Biomedical Physiology (BMS206)

BMS107 Foundations of Vertebrate Form and Function

Building Blocks for Science Students (BSC100)

Enrolment in a Bachelor of Science, Bachelor of Animal Science, Bachelor of Environmental Management, Bachelor of Environmental Science, Bachelor of Extractive Metallurgy, Bachelor of Forensics, Bachelor of Marine Science, Bachelor of Sports Science, Bachelor of Technology in Engineering Technology, Bachelor of Sustainability, Bachelor Of Sport And Exercise Science, Bachelor of Sport and Exercise Science + Psychology (BSpportExSc, BSc) or Bachelor Of Sport And Exercise Science/Graduate Diploma In Clinical Exercise Physiology, or B1355 Bachelor of Laws / Bachelor of Science (Psychology), or B1338 BA Psychology, B1388 BA Psychology, or B1347 Bachelor of Criminology + BA Psychology, or B1354 Bachelor of Law + Bachelor of Arts Psychology, or Bachelor of Science (Agricultural Sciences), or Bachelor of Agricultural Science + Commerce, or Bachelor of Laboratory Medicine, or Bachelor of Science (Medical, Molecular and Forensic Sciences), or Bachelor of Food Science and Nutrition.

Cell Biology (BIO152)

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Human Anatomy II (CHI255)

CHI108 Human Anatomy I

Human Anatomy III (CHI234)

CHI255 Human Anatomy II

Immunology, Genetics and Microbiology (CHI205)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Year 1.

Introduction to Chiropractic (CHI109)

Nil.

Introduction to Musculoskeletal Human Anatomy (CHI168)

Nil.

Introduction to Research Methodology and Evidence Based Practice (BSC206)

100-level Transition Unit.

Mental Health Issues in Chiropractic Care and Applied Nutrition (CHI466)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1-4.

Pharmacology and Nutrition (CHI459)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3, or permission of the Unit Coordinator.

Physical Examination (CHI293)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Year 1, and CHI255 Human Anatomy II, BMS264 Biomedical Physiology OR BMS206 Biomedical Physiology.

Preclinical Practicum 1 (CHI485)

Enrolment in Chiropractic (BSc/BChiro), or Chiropractic Science + Clinical Chiropractic (BSc+BClinChiro_), and successful completion of Years 1 to 3, or permission of the Unit Coordinator.

Preclinical Practicum 2 (CHI486)

Enrolment in Chiropractic (BSc/BChiro), or Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro), and successful completion of the following units

CHI 440 Clinical Radiology,

CHI456: Differential Diagnosis

CHI457: Clinical Biomechanics and

CHI485 Preclinical Practicum 1.

Processes in Human Disease (CHI391)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1 and 2.

Public Health and Nutrition III (CHI458)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1-4.

Radiography: Principles and Positioning (CHI441)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3, as well as CHI440 and CHI456, or permission of the Unit Coordinator.

Rehabilitation and Physical Therapy I (CHI448)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 3, or permission of the Unit Coordinator.

Rehabilitation and Physical Therapy II (CHI449)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc, BClinChiro), and successful completion of Years 1 to 4, or permission of the Unit Coordinator.

Research and Evidence Based Practice (BSC306)

Completion of BSC206 Introduction to Research Methodology and Evidence Based Practice or special permission of Unit Coordinator.

Technique I (CHI338)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc +

BClinChiro) and successful completion of Years 1 and 2.

Technique II (CHI339)

Enrolment in Chiropractic Science + Clinical Chiropractic (BSc + BClinChiro) and successful completion of Years 1 and 2, CHI354 Chiropractic Skills.

Personal Study Plan

Unit Sets:

Year	Semester 1	Semester 2
1		
2		
3		
4		