

Handbook 2020

Coursecode

B1205

BACHELOR OF SCIENCE - SCHOOL OF INFORMATION
TECHNOLOGY

Murdoch University

Correct as at: 14 December 2019 at 5:34am

Correct as at: 14 December 2019 at 5:34am

The information contained within this publication was correct as at the generated date shown above but is subject to amendment without notice. Enquiries concerning its contents should be addressed to:

University Secretary
Murdoch University
South Street
Murdoch
Western Australia 6150

Telephone: (08) 9360 6000

Facsimile: (08) 9360 6847

<http://www.murdoch.edu.au>

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:

<http://handbook.murdoch.edu.au>

This publication can also be provided in alternative formats by contacting the Equity and Social Inclusion Office at Murdoch University

Telephone: (08) 9360 6084

Facsimile: (08) 9360 6502

equity@murdoch.edu.au

<http://goto.murdoch.edu.au/EquitySocialInclusion>

ISSN 0815-9068

Published by

University Secretary's Office

Murdoch University



© Murdoch University 2019

This Handbook, and its sections as individual works, is licensed under a Creative Commons Attribution Noncommercial No Derivative Works Australia 2.5 licence. You may download, reproduce, communicate, print and distribute copies of the Handbook (or any part of it) as long as it is for non-commercial purposes, you do not alter the content, and you attribute Murdoch University as the original author. For more information on this licence, see <http://creativecommons.org/licenses/by-nc-nd/2.5/au/>

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.

Group	Course	Offerings
Business Information Systems	Business Information Systems (BSc)	<ul style="list-style-type: none"> • Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students) • Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

BUSINESS INFORMATION SYSTEMS

BUSINESS INFORMATION SYSTEMS (BSC)

Availability:

- Murdoch campus (internal) (no new admissions from 2015 at this location for first-year commencing students)
Murdoch campus (external) (no new admissions from 2015 at this location for first-year commencing students)

Information Systems is the study of information generation, communication, storage, and application in the context of organised human activity. The increasing penetration of information technology into everyday organisational activity means that professionals in many areas, from management to engineering, increasingly need an understanding of information systems. The contribution of information systems to the functioning of organisations, the design and management of such systems and the development of systems to assist in other professional roles is emphasised in the Business Information Systems degree.

Recommended Double Majors:

Computer Science; Cyber Forensics, Information Security and Management

Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Course Codes: B1205 B1205A

Duration: 3 years full-time or part-time equivalent

Mathematics and Statistics

Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

Employment Prospects:

Graduates typically find employment as business analysts. Graduates combining Business Information Systems with another major will experience enhanced employment prospects in that area.

Bachelor of Science (BSc) in Business Information Systems

Course Structure - 72 credit points

Units in this structure may no longer be available at all course locations and, where appropriate, alternative units have been provided. Students are required to satisfy the total credit point value of both the degree and the major in order to graduate; this may require that additional units are taken, either as part of the major or as General Electives. To accommodate students impacted by this change, up to 2 credit points from the total credit point value of the degree (incorporating the major) may be waived. For further information, see

https://myanswers.custhelp.com/app/answers/detail/a_id/1017/

Part I - 24 credit points

Foundation Unit - 3 credit points

From 2014, Foundation units will no longer be offered at the Murdoch Campus. Students who have not yet successfully completed a Foundation unit will be required to enrol in the following Transition Unit.

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

The following unit is no longer available - contact the Academic Chair for advice:

Students enrolled at the Dubai or Kaplan campus will enrol in:

FDN107 Next Life - 3 points
NA 2020

Core Units - 12 credit points

The following unit is no longer available - contact the Academic Chair for advice:

ICT102 Introduction to Computer Science - 3 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT103 Introduction to Data Communications - 3 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT107 Principles of Information Systems - 3 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT108 Introduction to Internet and Mobile Technologies - 3 points
NA 2020

Specified Electives - 3 credit points

Select from the following:

MAS180 Introduction to Statistics - 3 points
MURDOCH: S2-external

MAS183 Statistical Data Analysis - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

The following unit is no longer available - contact the Academic Chair for advice:

MAS167 Computational Mathematics - 3 points
DUBAI-ISC: TMD-internal

OR

MAS162 Foundations of Discrete Mathematics - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external
DUBAI-ISC: TMD-internal

BUS170 Foundations of Accounting - 3 points
DUBAI-ISC: TMD-internal

General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

Part II - 48 credit points

Core Units - 24 credit points

The following unit is no longer available - contact the Academic Chair for advice:

ICT231 Systems Analysis and Design - 4 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT353 Advanced Business Analysis and Design - 4 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT218 Databases - 4 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT333 Information Technology Project - 4 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT208 Business Intelligence Tools and Techniques - 4 points
NA 2020

The following unit is no longer available - contact the Academic Chair for advice:

ICT256 Knowledge Management Techniques - 4 points
NA 2020

General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major or minor. Any recommended double majors and minors will be included in the major's description.

PREREQUISITES

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 Information Technology Management, 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 (BSportExSc, BSc) or Bachelor Of Sport And Exercise Science/Graduate Diploma In Clinical Exercise Physiology, B1355 Bachelor of Laws / Bachelor of Science (Psychology)

Foundations of Accounting (BUS170)

Nil.

Foundations of Discrete Mathematics (MAS162)

MAS164 Fundamentals of Mathematics/MAS182/MAS161 OR a final scaled score of 55% or more in ATAR Mathematics Applications or WACE Mathematics 2C/2D OR a final scaled score of 50% or more in ATAR Mathematics Methods or WACE Mathematics 3A/3B (or higher) OR equivalent.

Introduction to Statistics (MAS180)

Nil.

Statistical Data Analysis (MAS183)

Nil.

Personal Study Plan

Unit Sets:

Year	Semester 1	Semester 2
1		
2		
3		
4		