

Handbook 2020

Coursecode

G1086

GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY

Murdoch University

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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

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Group	Course	Offerings
Graduate Coursework Degrees and Professional Doctorates		
Information Technology	Graduate Diploma in Information Technology	• Murdoch campus (internal)

INFORMATION TECHNOLOGY

GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY

Duration: 1 year full-time or part-time equivalent

Admission Requirements (Onshore):

Recognised non-Australian Computer Science accredited Bachelor's degree in IT (AQF Level 7);

OR recognised non-IT Bachelor's degree (AQF Level 7) plus an approved qualification in IT;

OR recognised non-IT Bachelor's degree (AQF Level 7) plus two years of relevant IT experience;

OR recognised non-IT Honours degree (AQF Level 8) plus relevant IT experience.

Recognition of relevant and current informal or non-formal learning may be used for entry requirements and should be discussed with the Academic Chair.

Course Codes: G1086

Restriction: All graduate courses are subject to restriction.

The Graduate Diploma in Information Technology is an advanced course designed to provide graduates in information technology-related disciplines with further knowledge and skills in the areas of IT Management, Internetworking & Security and Data Science. The course emphasises professional practice and effective communication using technical and nontechnical means. In addition, students select from a range of elective units according to their interests.

Mathematics and Statistics

Employment Prospects:

IT Management, commerce, telecommunications, health, education, architecture, mining, engineering, network service providers, banking and finance organisations, military, law and government and non-government organisations.

Special Requirements:

The course is available by on-campus attendance only.

Availability:

- Murdoch campus (internal)

Course Structure - 24 credit points

Core Units - 18 credit points

ICT508 Information Technology Project Management - 3 points
MURDOCH: S1-internal

ICT521 IT Professional Practice - 3 points
MURDOCH: S1-internal, S2-internal

ICT581 Information Systems Principles and Practice - 3 points
MURDOCH: S1-internal, S2-internal

ICT582 Python Programming Principles and Practice - 3 points
MURDOCH: S1-internal, S2-internal

ICT583 Data Science Applications - 3 points
MURDOCH: S1-internal, S2-internal

ICT502 Applied Information Security Management - 3 points
MURDOCH: S2-internal, S2-external

Specified Electives - 6 credit points

Select from the following:

ICT501 Business Analysis and Systems Development Approaches - 3 points
MURDOCH: S2-internal, S2-external

ICT515 Foundations of Data Science - 3 points
MURDOCH: S2-internal

ICT535 Advanced Business Data Communications - 3 points

MURDOCH: S1-internal, S2-internal

ICT546 Local Area Network Design and Implementation - 3 points

MURDOCH: S1-internal, S2-internal

ICT612 Human Factors in Information Technology - 3 points

MURDOCH: S1-internal

ICT616 Data Resources Management - 3 points

MURDOCH: S1-internal, S2-internal

ICT619 Artificial Intelligence - 3 points

MURDOCH: S1-internal

TLC501 Communication Skills for Postgraduate Study - 3 points

MURDOCH: S1-internal, S2-internal

PREREQUISITES

Advanced Business Data Communications (ICT535)

ICT546 Local Area Network Design and Implementation and enrolment in a graduate-level IT course.

Applied Information Security Management (ICT502)

Enrolment in a graduate IT course or permission of the Academic Chair.

Artificial Intelligence (ICT619)

Enrolment in a graduate-level IT course.

Business Analysis and Systems Development Approaches (ICT501)

Enrolment in a graduate IT course or in G1074 Graduate Diploma in Games and App Production or permission of the Academic Chair.

Communication Skills for Postgraduate Study (TLC501)

Nil.

Data Resources Management (ICT616)

Enrolment in a graduate-level IT course.

Data Science Applications (ICT583)

Enrolment in an IT graduate course or permission of the Academic Chair.

Foundations of Data Science (ICT515)

Enrolment in an IT graduate course or permission of the Academic Chair.

Human Factors in Information Technology (ICT612)

Enrolment in a graduate-level IT course.

IT Professional Practice (ICT521)

Enrolment in a graduate-level IT course or permission of the Academic Chair.

Information Systems Principles and Practice (ICT581)

Enrolment in a graduate IT course or permission of the Academic Chair.

Information Technology Project Management (ICT508)

Enrolment in a graduate IT course or permission of the Academic Chair.

Local Area Network Design and Implementation (ICT546)

Enrolment in a graduate-level IT course.

Python Programming Principles and Practice (ICT582)

Enrolment in a graduate IT course, or permission of the Academic Chair.