

# Handbook 2020

**Coursecode**

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M1305

INTERNETWORKING AND SECURITY (ME+MIT)

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

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Group	Course	Offerings
Information Technology	Internetworking and Security (ME+MIT)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

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## INFORMATION TECHNOLOGY

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### INTERNETWORKING AND SECURITY (ME+MIT)

#### Mathematics and Statistics

##### Admission Requirements (Onshore):

AS per normal course requirements.

Course Codes: M1305

The major in *Networking & Security* is designed to provide graduates with knowledge and skills in the area of *Networking and Security*. The major provides a thorough and practical grounding in network design, network administration, network management and security. The course structure is flexible allowing students to choose units that target their skills in security, LAN and Wireless network design, global network design or network management and tailor the course to meet their career needs.

Most specialisations prepare students to sit one or more industry certification exams. These certifications include Cisco Certified Network Associate (CCNA), Certified Wireless Network Administrator (CWNA), Cisco Certified Network Professional (CCNP).

##### Availability:

- Murdoch campus (internal) <br/> Murdoch campus (external)

#### Major Structure - 24 credit points

##### Core Units - 24 credit points

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

#### Major Structure - 24 credit points

##### Core Units - 24 credit points

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

ICT508 Information Technology Project Management - 3 points  
MURDOCH: S1-internal, S2-internal

ICT603 Wireless Data Communications - 3 points

#### Major Structure - 24 credit points

##### Core Units - 24 credit points

ICT611 Advanced Routing - 3 points  
MURDOCH: S2-internal

ICT613 Router and Firewall Security - 3 points  
MURDOCH: S1-internal

ICT622 Information Technology Strategy - 3 points  
MURDOCH: S2-internal

##### Information Technology Project Management (ICT508)

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

##### Information Technology Strategy (ICT622)

Enrolment in a graduate IT course.

##### Local Area Network Design and Implementation (ICT546)

Enrolment in a graduate-level IT course.

##### Router and Firewall Security (ICT613)

ICT535 Advanced Business Data Communications; enrolment in a graduate IT course or permission of the Academic Chair.

##### Wireless Data Communications (ICT603)

ICT546 Local Area Network Design and Implementation and completion of 12 or more points in an IT graduate course.

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## PREREQUISITES

##### Advanced Business Data Communications (ICT535)

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

##### Advanced Routing (ICT611)

ICT535 Advanced Business Data Communications; enrolment in a graduate IT course or permission of the Academic Chair.

##### Applied Information Security Management (ICT502)

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