

YEAR TWO

Semester 1

Elective Units

Choose study-units to the value of **30 credits** from the following list:

BIT5202	Basic Intelligent Systems	5 credits
BIT5203	Computer and Communication Networks	5 credits
BIT5204	Computer Modelling and Continuous Physical Systems	5 credits
BIT5207	Information Systems Engineering	5 credits

Semester 2

BIT5201	A.I. as Representation and Search	5 credits
BIT5205	Databases and their Implementations	5 credits
BIT5206	Digital Image Processing	5 credits
BIT5208	Object Oriented Programming Applied to Development of Windows, Web and Distributed Applications	5 credits
Requirement for regular progression to Year III		30 credits
Total Master in IT course this year		30 credits

YEAR III

Compulsory Unit

(All students must register for this unit prior to the start of the summer period following Year II and is to be finalised by the end of the summer period following Year III)

BIT5000	Research Project	30 credits
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Semester 1

Elective Units

Choose study-units to the value of **30 credits** from the following list

BIT5301	Applied Web Engineering and e-Business Techniques	5 credits
BIT5302	Computer Modelling of Discrete Physical Systems	5 credits
BIT5304	Internet Technologies	5 credits
BIT5306	Software Engineering	5 credits

Semester 2

Elective Units

BIT5303	Ethics in I.T.	5 credits
BIT5305	IT Quality, Security and Risk Management	5 credits
BIT5307	Speech Technology with Digital Signal Processing	5 credits
BIT5308	Operating Systems II	5 credits

Requirement for successful completion of Year III	60 credits
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Requirement for award of Master in IT	120 credits
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Note. This course of study is governed by Bye-Laws for the award of the Master in Information Technology M.IT 2008 under the auspices of the Faculty of Information and Communication Technology.