

Course Structure and Delivery Plans

2TRI2017

Bachelor of Information Technology (NBIT)

YEAR 1 Core (common units) – 96 credits

NIT1101 Web Development and CMS	NIT1201 Introduction to Database Systems
NIT1102 Introduction to Programming	NIT1202 Operating Systems
NIT1103 Communication & Information Management	NIT1203 Introduction to Project Management
NIT1104 Computer Networks	NIT1204 Web Application and Server Management

Choose one of two Majors EXIT Diploma of Information Technology (VDIT)

Majors – 96 credits

Web and Mobile Application Development (NMAWMD)

NIT2112 Object Oriented Programming
 NIT2213 Software Engineering
 NIT3112 Adv. Web Application Development
 NIT3213 Mobile Application Development
 NIT2113 Cloud Application Development
 NIT2212 Database 2
 NIT3113 Advanced Programming
 NIT3114 Online Business System Development

Network and System Computing (NMANSC)

NIT2122 Server Administration and Management
 NIT2222 Networking Technologies
 NIT3122 Enterprise Network Management
 NIT3222 Virtualisation in Computing
 NIT2124 Network Management
 NIT2223 Mobile & Wireless Networks
 NIT3104 Computer Architecture
 NIT3123 Advanced Networking Technologies

Choose one of three Minors

IT Minor or General & Breadth Minor – 48 credits

ICT Management (NMIICT)

NIT2171 Introduction to ICT Management
 NIT2271 ICT Change Management
 NIT3171 ICT Business Analytics and Data Visualisation
 NIT3274 Small IT Business

Software Development (NMIASD)

NIT2112 Object Oriented Programming
 NIT2213 Software Engineering
 NIT3112 Advance Web Application Development
 NIT3213 Mobile Application Development

Network Management (NMIANM)

NIT2122 Server Administration and Management
 NIT2222 Networking Technologies
 NIT3122 Enterprise Network Management
 NIT3222 Virtualisation in Computing

Graduating Core – 48 credits

NIT2101 Computer and Internet Security
 NIT2201 IT Profession and Ethics
 NIT3101 IT Project 1
 NIT3201 IT Project 2

NBIT - Bachelor of Information Technology major in Network and System Computing (NMANSC), minor in Software Development (NMIASD)

9 Semesters

The following is a course structure and suggested unit progression for the Information Technology major in Network and System Computing (NMANSC), minor in Software Development (NMIASD). Unit selection must follow the stated prerequisites.

Delivery Plan

Year 1, Trimester 1				
	Unit Code	Unit Title	Pre-requisite/s	Note
Core	NIT1101	Web Development and CMS	NIL	
Core	NIT1102	Introduction to Programming	NIL	
Core	NIT1104	Computer Networks	NIL	
Year 1, Trimester 2				
Core	NIT1201	Introduction to Database Systems	NIL	
Core	NIT1202	Operating Systems	NIL	
Core	NIT1103	Communication and Information Management	NIL	
Year 1, Trimester 3- Summer				
Core	NIT1203	Introduction to Project Management	NIL	
Core	NIT1204	Web Application and Server Management	NIL	
Year 2, Trimester 1				
Grad Core	NIT2201	IT Profession and Ethics (or any from Table 3)	NIL	
SPE Core	NIT2222	Networking Technologies (or any from Table 1)	NIT1104	
SPE Core	NIT2122	Server Administration & Management (or any from Table 1)	NIT1104 & NIT1102	
Year 2, Trimester 2				
Grad Core	NIT2101	Computer and Internet Security (or any from Table 3)	NIT1104	
SPE Core	NIT2223	Mobile & Wireless Networks (or any from Table 1)	NIT1104	
Min Core	NIT2112	Object Oriented Programming (or any from Table 4)	NIL	
Year 2, Trimester 3- Summer				
SPE Core	NIT2124	Network Management (or any from Table 1)	NIT1104	
Min Core	NIT2213	Software Engineering (or any from Table 4)	NIT1102	
Year 3, Trimester 1				
SPE Core	NIT3222	Virtualisation in Computing (or any from Table 2)	NIT1104 or NIT2122	
SPE Core	NIT3122	Enterprise Network Management (or any from Table 2)	NIT2122 or NIT2222	
Min Core	NIT3112	Advance Web Application Development OR NIT3213	NIT1101 & NIT2112 & NIT2213	
Year 3, Trimester 2				
Grad Core	NIT3101	IT Project 1 Perquisite: (NIT2122 AND NIT2201 AND (NIT2222 OR NIT2223)) OR (NIT2201 AND NIT2213 AND NIT2212)		
SPE Core	NIT3123	Advanced Networking Technologies (or any from Table 2)	NIT2222 &/or NIT2223	
Min Core	NIT3213	Mobile Application Development OR NIT3112	NIT2112 & NIT2213	
Year 3, Trimester 3- Summer				
Grad Core	NIT3201	IT Project 2 Perquisite: NIT2122 AND NIT2201 AND (NIT2222 OR NIT2223)) OR (NIT2201 AND NIT2213 AND NIT2212)		
SPE Core	NIT3104	Computer Architecture (or any from Table 2)	NIL	

This Information is current at the publication date, March 2017.

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Table 1- Specialization Core units (SPE Core) Year 2	Prerequisite
NIT2222 Networking Technologies	NIT1104
NIT2122 Server Administration and Management	NIT1104 & NIT1102
NIT2124 Network Management	NIT1104
NIT2223 Mobile & Wireless Networks	NIT1104

Table 2- Specialization Core units (SPE Core) Year 3	Prerequisite
NIT3104 Computer Architecture	NIL
NIT3222 Virtualisation in Computing	NIT1104 or NIT2122
NIT3122 Enterprise Network Management	NIT2122 or NIT2222
NIT3123 Advanced Networking Technologies	NIT2222 or NIT2223

Table 3- Graduate Core units (Grad Core)	Prerequisite
NIT2101 Computer and Internet Security	NIT1104
NIT2201 IT Profession and Ethics	NIL

Table 4- Minor Core units (Min Core)	Prerequisite
NIT2112 Object Oriented Programming	NIT1104
NIT2213 Software Engineering	NIL