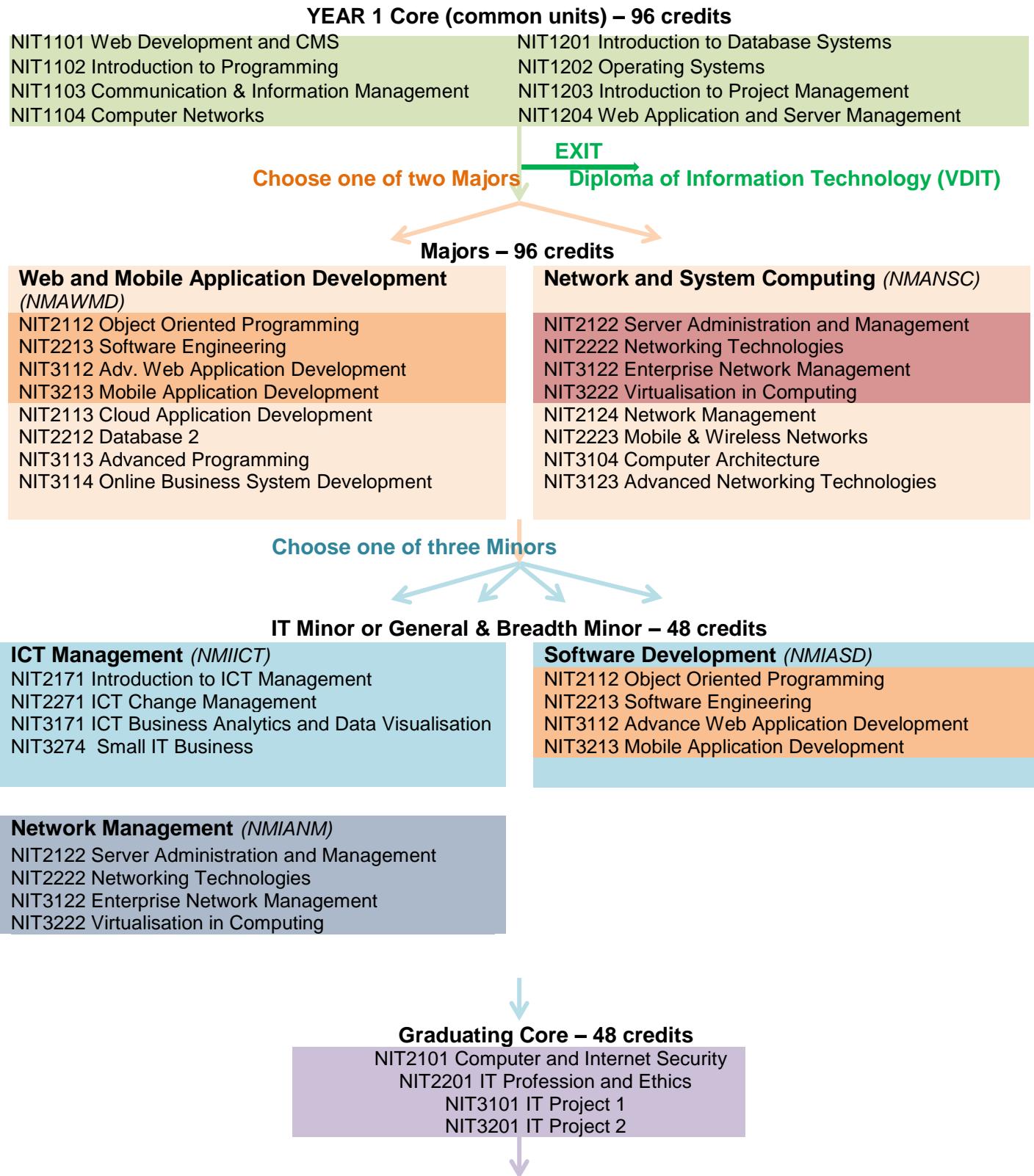


# Course Structure and Delivery Plans

## 2TRI2017

### Bachelor of Information Technology (NBIT)



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

6 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.

Use the 'Record completion column' to record that a unit is satisfactory completed. Students are advised to plan their course and choose their electives carefully. Please note that not all units are offered in every semester. Students must consult the timetable when determining semester enrolment options and seek Academic advice.

## 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  | NIT1103   | Communication and Information Management   | NIL                         |      |
| Core  | NIT1104   | Computer Networks  | NIL                         |      |
| Year 1, Trimester 2   |           |  |                             |      |
| Core  | NIT1201   | Introduction to Database Systems   | NIL                         |      |
| Core  | NIT1202   | Operating Systems  | NIL                         |      |
| Core  | NIT1203   | Introduction to Project Management   | NIL                         |      |
| Core  | NIT1204   | Web Application and Server Management  | NIL                         |      |
| Year 2, Trimester 1 - See the note in the footer <sup>1</sup> |           |  |                             |      |
| 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           |      |
| Min Core  | NIT2213   | Software Engineering (or any from Table 4)   | NIT1102                     |      |
| Year 2, Trimester 2   |           |  |                             |      |
| Grad Core   | NIT2101   | Computer and Internet Security (or any from Table 3)   | NIT1104                     |      |
| SPE Core  | NIT2124   | Network Management (or any from Table 1)   | 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 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          |      |
| SPE Core  | NIT3104   | Computer Architecture (or any from Table 2)  | NIL                         |      |
| Min Core  | NIT3112   | Advance Web Application Development OR NIT3213   | NIT1101 & NIT2112 & NIT2213 |      |
| Year 3, Trimester 2   |           |  |                             |      |
| Grad Core   | NIT3101   | <b>IT Project 1</b><br>Perquisite: (NIT2122 AND NIT2201 AND (NIT2222 OR NIT2223)) OR (NIT2201 AND NIT2213 AND NIT2212) |                             |      |
| Grad Core   | NIT3201   | <b>IT Project 2</b><br>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           |      |

<sup>1</sup> The recommended units listed in Year 2 Trimester 1 are prerequisite for most year 3 units.

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

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

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

| <b>Table 4- Minor Core units (Min Core)</b> | <b>Prerequisite</b> |
|---|---------------------|
| NIT2112 Object Oriented Programming         | <b>NIT1104</b>      |
| NIT2213 Software Engineering                | <b>NIL</b>          |

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