

COURSE PLANNER

Bachelor of Information and Communication Technology – Network Technology BA-ICT

Semester 1 | 2024

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your course.

Year One

| Semester 1 Feb/Mar 2024 | | |
|---------------------------|---|----------------|
| Unit Code | Unit Name | Pre-requisites |
| COS10009 | Introduction to Programming | Nil |
| ICT10022 | ICT Inquiry Project | Nil |
| TNE10005 | Network Administration | Nil |
| COS10003 | Computer and Logic Essentials* | Nil |
| MPU3273 | Integrity and Anti-Corruption (Malaysian and International Students) | |
| Winter Term Jun 2024 | | |
| MPU3212 | Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit) | Nil |
| Semester 2 Aug/Sep 2024 | | |
| COS10005 | Web Development | Nil |
| COS10025 | Technology in an Indigenous Context Project | Nil |
| TNE10006 | Networks and Switching | Nil |
| COS10022 | Introduction to Data Science* | Nil |
| MPU3193 | Philosophy and Current Issues (Malaysian and International Students) | Nil |

How to use your Course Planner

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour-coded to assist you with mapping out your studies.

Course Information

This course has 24 units (300 credit points) consisting of

8 Core Units

100 credit points

A set of compulsory units you MUST complete as part of your Course.

8 Network Technology Major Units

100 credit points

A set of compulsory units you MUST complete as part of your Course.

8 Elective Units

100 credit points

A combination of elective units / second-major / Minor

Year Two

| Semester 1 Feb/Mar 2025 | | |
|---------------------------|--|---|
| Unit Code | Unit Name | Pre-requisites |
| COS20015 | Fundamentals of Data Management | COS10009 / SWE20004 |
| TNE20002 | Network Routing Principles | TNE10006 |
| ICT20025 | ICT Design Project | Nil |
| | Elective 1 | |
| MPU3183 | Penghayatan Etika dan Peradaban (Malaysian Students Only) | Nil |
| MPU3143 | Malay Language Communication 2 (International Students Only) | Nil |
| Semester 2 Aug/Sep 2025 | | |
| COS30015 | IT Security* | COS10009 & COS10026 & TNE10006 |
| COS30020 | Advanced Web Development | (COS10011 / COS10005 / COS10026) & COS10009 |
| COS30045 | Data Visualisation | COS10009 |
| ICT30016 | ICT Innovation Project | Nil |

All commencing students of Master, Degree, Diploma and Foundation courses will be automatically registered for the **Academic Integrity Training Module** in the first semester (Note: Students articulating from Foundation Studies are expected to undertake this unit as a refresher). There are 4 topics in this online module that are recommended for completion during Week 1-4 of your commencing study period. At the end of this module, students are required to complete a quiz comprised of 10 questions and achieve a score of at least 90%.

Year Three

| Semester 1 Feb/Mar 2026 | | |
|----------------------------|---|---------------------|
| Unit Code | Unit Name | Pre-requisites |
| ICT30017 | ICT Project A | 125cp |
| TNE30012 | Secure Remote Access Networks | TNE20001 / TNE20002 |
| TNE30018 | Enterprise Network Server Administration | TNE10005 |
| | Elective 2 | |
| Winter Term Jun 2026 | | |
| ICT20016* | - Completing WIL as an exemption to 2 electives Optional - Students need to complete at least 12 units to enroll - WIL placement can be taken in Year Three | |
| Semester 2 Aug/Sept 2026 | | |
| ICT30018 | ICT Project B | ICT30017 |
| | Elective 3 | |
| | Elective 4 | |
| | Elective 5 | |

Ministry of Education requires that all NEW Cohorts pursuing Degree course (International and Malaysian) students must take the MPU units as a prerequisite for the award of their degree.

- Malaysian students: Must take and pass the units as a prerequisite for the award of their degree.
- International students: Must attempt all coursework and final exam as a prerequisite for the award of their degree

| Recommended Elective Units | | | |
|----------------------------|---|---------------------|--------------------|
| Unit Code | Unit Name | Pre-requisites | Offered in |
| COS30017 | Software Development for Mobile Devices | COS20007 | Feb/Mar & Aug/Sept |
| COS20030 | Malware Analysis | TNE10006 | Aug/Sept only |
| COS30018 | Intelligent Systems | COS20007 | Feb/Mar only |
| Minor Big Data Analytics | | | |
| COS10022 | Introduction to Data Science | NIL | Feb/Mar & Aug/Sept |
| COS10082 | Applied Analytics in Business | NIL | Aug/Sept only |
| COS20083 | Advanced Data Analytics | COS10022 & COS10009 | Feb/Mar only |
| COS20028 | Big Data Architecture and Application | COS10022 & COS20007 | Aug/Sept only |

Notes

* Prescribed Elective