

IT FUNDAMENTALS



COURSE SUMMARY

IT Fundamentals course is a foundational course for our cybersecurity defender pathway and IT generalist pathway. The course is designed to cover a broad range of IT topics to cater for the beginner in the field. This background knowledge will set you up for success as a cybersecurity defender or IT generalist, as it will give you a base understanding of IT as a whole and it's application.



TARGET AUDIENCE

This course is for individuals interested in attaining a job in the field of Information Technology. This is one of the first foundation courses and is designed to help you succeed along your journey by building your base knowledge in IT.



DURATION

Three and a half hours



PRE-REQUISITES

Nil.



COURSE SCHEDULE

MODULE NAME	EXPECTED PROGRESS
Module 1 – Computers <ul style="list-style-type: none"> • Types of Computers • Data Sizes 	20mins
Module 2 – Hardware <ul style="list-style-type: none"> • Hardware Components 	40mins
Module 3 – Working Safely <ul style="list-style-type: none"> • Laws & Policies • Ergonomics • Hazards & Risks 	20mins
Module 4 – Operating Systems <ul style="list-style-type: none"> • MacOS • Windows • Linux • iOS & Android 	30mins
Module 5 – Software <ul style="list-style-type: none"> • Software & Applications 	20mins
Module 6 – Office Suites <ul style="list-style-type: none"> • Microsoft Office 	20mins
Module 7 – Virtual Machines	10mins
Module 8 - Networks	10mins
Module 9 – The Internet	20mins
Module 10 – Cloud Computing	20mins
Module 11 – Internet of Things	10mins
Module 12 – Security in IT	10mins