

List of Competencies for On-the-Job Training (OJT)
Work-Study Diploma in IT System Integration

Note: LOC is subject to changes due to curriculum review/ development

S/N	List of Competencies (Standard)	Company to indicate '✓' for OJT competencies it can provide
Manage IT End-User Computing (EUC) system and service		
1.	Deploy IT EUC system	☐
2.	Service IT EUC system	☐
3.	Resolve IT EUC system issues	☐
Manage network infrastructure		
4.	Design network infrastructure	☐
5.	Deploy network infrastructure	☐
6.	Manage network services	☐
Maintain enterprise network		
7.	Deploy enterprise network	☐
8.	Optimise enterprise network	☐
9.	Resolve network issues	☐
Maintain enterprise system		
10.	Set up server infrastructure	☐
11.	Configure enterprise services	☐
12.	Provide server infrastructure support	☐
Manage cloud platform		
13.	Set up virtual infrastructure	☐
14.	Configure cloud services	☐
15.	Manage cloud services	☐
Deploy robotic process automation (RPA)		
16.	Create web service client	☐
17.	Automate infrastructure operation	☐
18.	Perform process automation	☐
Perform data analysis and visualisation		
19.	Perform data processing	☐
20.	Perform data visualisation	☐
21.	Perform data analysis	☐

S/N	List of Competencies (Standard)	Company to indicate '✓' for OJT competencies it can provide
Optimise system performance		
22.	Identify technology solution / application	☐
23.	Evaluate performance parameters	☐
24.	Perform system enhancements	☐
	Sub-total of Competencies (Standard)	0
	List of Competencies (Company-specific)	
1		
2		
3		
4		
5		
6		
	Sub-total of Competencies (Company-specific)	0

Note:

- Company must be able to provide OJT for at least **75%** of the List of Competencies (Standard).
- If company is unable to meet the 75%, please propose alternate **course-related** competencies which are unique to company operations. Alternate competencies are capped at 25%.
[i.e. 50% of the list of competencies (standard) + 25% alternate competencies (Company-specific)].
- All alternate competencies (Company-specific) must be reviewed and endorsed by ITE.
- Trainees must receive OJT and be assessed for **All** competencies selected in this List.

Total no. of competencies selected by company for OJT

0

Total no. of competencies listed (*standard & company specific*)

24

Percentage of selected competencies

0%

Completed By:

Name

Company

MODULE SYNOPSIS – WSDip in IT System Integration

Course Objective

This course equips trainees with the skills, knowledge and professional attributes to deploy and test infrastructure hardware and software, as well as apply analytics and automation to optimise operational stability for infrastructure system efficiency and reliability.

Modules Synopsis

IT System & Service Management
On completion of the module, trainees should be able to apply ITIL best practices for effective service management decisions. They should also be able to install and configure operating systems and application software on end-user computer devices, deploy and maintain peripherals, and troubleshoot hardware and software issues.
Network Infrastructure Management
On completion of the module, trainees should be able to set up Local Area Network (LAN) with Internet-Protocol (IP) addresses and network protocols. They should also be able to deploy network devices, as well as manage network services.
Enterprise System Administration
On completion of the module, trainees should be able to set up system servers and configure enterprise services. They should also be able to maintain system performance and troubleshoot system problem issues.
Enterprise Networking
On completion of the module, trainees should be able to configure advanced routing and switching, set up wide area network (WAN) links, as well as implement network access control. They should also be able to monitor and administer network, and troubleshoot network connectivity issues.
Cloud Service Management
On completion of the module, trainees should be able to set up and configure virtual infrastructure, as well as configure cloud services. They should also be able to manage cloud resources.
Robotic Process Automation
On completion of the module, trainees should be able to perform network and process automation using scripting and automation software.
Data Analysis & Visualisation
On completion of the module, trainees should be able to extract and transform data into useful information, as well as create visual elements, to aid in business decision-making. They should also be able to manage projects through collaboration and teamwork.
AI for Systems & Networks
On completion of the module, trainees should be able to identify and apply appropriate AI technology to assess and enhance the performance of network infrastructure.
Company Project
On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.