

**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
<b>Manage IT End-User Computing (EUC) system and service</b>		
1.	Deploy IT EUC system	
2.	Service IT EUC system	
3.	Resolve IT EUC system issues	
<b>Manage network infrastructure</b>		
4.	Design network infrastructure	
5.	Deploy network infrastructure	
6.	Manage network services	
<b>Maintain enterprise network</b>		
7.	Deploy enterprise network	
8.	Optimise enterprise network	
9.	Resolve network issues	
<b>Maintain enterprise system</b>		
10.	Set up server infrastructure	
11.	Configure enterprise services	
12.	Provide server infrastructure support	
<b>Manage cloud platform</b>		
13.	Set up virtual infrastructure	
14.	Configure cloud services	
15.	Manage cloud services	
<b>Deploy robotic process automation (RPA)</b>		
16.	Create web service client	
17.	Automate infrastructure operation	
18.	Perform process automation	
<b>Perform data analysis and visualisation</b>		
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
<b>Optimise system performance</b>		
22.	Identify technology solution / application	
23.	Evaluate performance parameters	
24.	Perform system enhancements	
	<b>Sub-total of Competencies (Standard)</b>	
	<b>List of Competencies (Company-specific)</b>	
1		
2		
3		
4		
5		
6		
	<b>Sub-total of Competencies (Company-specific)</b>	

**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

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

Percentage of selected competencies


**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

<b>IT System &amp; Service Management</b>
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.
<b>Network Infrastructure Management</b>
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.
<b>Enterprise System Administration</b>
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.
<b>Enterprise Networking</b>
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.
<b>Cloud Service Management</b>
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.
<b>Robotic Process Automation</b>
On completion of the module, trainees should be able to perform network and process automation using scripting and automation software.
<b>Data Analysis &amp; Visualisation</b>
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.
<b>AI for Systems &amp; Networks</b>
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.
<b>Company Project</b>
On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

# TRAINING PATTERN SCHEDULE

## WSDip in IT System Integration

**Block Release** - Trainees attend daily lessons at ITE for a continuous period and then resume the next block of OJT at the workplace.

WSDip Programme 2026 Start: 1 April 2026 End: 30 September 2028 Duration: 2.5 years ⚠ Final results release may be later than programme end date				
April'26 Intake	April – June 2026	July – September 2026	October – December 2026	January – March 2027
1 <sup>st</sup> Year Off-JT @ ITE	7 Weeks Block (Apr – May) Remaining week - OJT	100% OJT	100% OJT	4 Weeks Block (Jan – Feb) Remaining weeks - OJT
April'26 Intake	April – June 2027	July – September 2027	October – December 2027	October – December 2028
2 <sup>nd</sup> Year Off-JT @ ITE	100% OJT	9 Weeks Block (Sep – Nov) Remaining weeks - OJT		100% OJT
April'26 Intake	April – June 2028	July – September 2028		
3 <sup>rd</sup> Year Off-JT @ ITE	100% OJT	6 Weeks Block (Jul – Aug) Remaining weeks - OJT		