



4-DAYS

Advanced Hardware and Software Troubleshooting

Course Code: TGS-2023040581 (SCTP)
TGS-2025060532 (Non-SCTP)

**up to
90%**
SkillsFuture
Funding

Learning Outcomes

- Evaluate the significance of advanced troubleshooting techniques, and methodologies for resolving common hardware and software challenges.
- Implement hardware diagnostics and advanced troubleshooting techniques to resolve complex issues in lab simulations.
- Utilise software debugging and conflict resolution by actively applying diagnostic techniques in real-world scenarios.
- Apply advanced diagnostic and prioritisation skills to efficiently tackle complex technical challenges through practical problem-solving methodologies in real-world scenarios.
- Engage in collaborative problem-solving to address complex hardware and software issues, and effectively communicate the troubleshooting process and solutions in real-world scenarios.



Course Outline



Learning Unit 1: Introduction to Advanced Troubleshooting



Learning Unit 2: Advanced Hardware Troubleshooting Techniques



Learning Unit 3: Advanced Software Troubleshooting Techniques



Learning Unit 4: Diagnosis & Resolution of Complex Technical Problems



Hands-On Activity: Troubleshooting in Real-World Scenarios



Written Assessments

Candidates are to answer all questions and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 5.



Practical Assessments

Candidates are to diagnose and resolve complex technical issues and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 5.

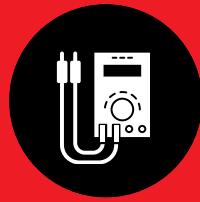
IT-TOOLS COVERED



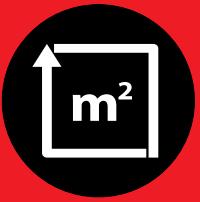
Windows 10/11
Virtual Box



PC System
For disassembly
Multimeter/ Test pen/
System Cleaning Tools



Cable Tester



Same Specs
as M2 & M3 for
certificate module

COURSE FEES & FUNDING

 Self-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Singapore Citizens 40 years old and above		90% SkillsFuture Funding	S\$152.40
Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	S\$1,200.00	70% SkillsFuture Funding	S\$392.40
 Company- Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Small-to-Medium Enterprise (SME) Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		90% SkillsFuture Funding	S\$152.40
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	S\$1,200.00	70% SkillsFuture Funding	S\$392.40
Non-SME Singapore Citizens 40 years old and above		90% SkillsFuture Funding	S\$152.40



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