

## Skills Framework for Engineering Services

Programmes that broaden or deepen specific skills and knowledge for the various job roles in the sector

### Operations and Maintenance

#### Job Role:

Technician / Coordinator (Operations and Maintenance)

Full Qualification Programmes	Providers
Diploma in Engineering (Electrical and Electronic)	Republic Polytechnic
Diploma in Engineering (Operations and Engineering Management)	Republic Polytechnic
Earn-and-Learn Programme (ELP) - Advanced Diploma in Chemical Engineering	Singapore Polytechnic
Professional Conversion Programme (PCP) in Biopharmaceuticals Manufacturing	Singapore Polytechnic
Professional Conversion Programme (PCP) in Chemicals Manufacturing	Singapore Polytechnic
Specialist Diploma in Energy Management and Sustainable Design	Temasek Polytechnic

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business and Organisational Management	Continuous Improvement Management	2	Apply Continuous Process Improvement Techniques (Blended)	Electronics Industries Training Centre
			Apply Continuous Process Improvement Techniques (SC & SAP)	NTUC LEARNINGHUB PTE. LTD.
			Apply Continuous Process Improvement Techniques	SIA ENGINEERING COMPANY LIMITED
			Apply Generic Manufacturing Skills	SIA ENGINEERING COMPANY LIMITED
			Apply Continuous Process Improvement Techniques	SINGAPORE NATIONAL EMPLOYERS FEDERATION
			Apply Continuous Process Improvement Techniques	Singapore Polytechnic
			Apply Continuous Process Improvement Techniques (SC/SAP)	SSA ACADEMY PTE. LTD.
			Apply Continuous Process Improvement Techniques	THT ACADEMY PTE. LTD.
Engineering Design Management	Engineering Drawing Interpretation and Management	1	Use Process Drawings, Diagrams, Schedules and Manuals	Singapore Polytechnic
			Use Process Drawings, Diagrams, Schedules and Manuals	Nanyang Polytechnic
Engineering Construction, Operations and Maintenance	Equipment and Systems Repair	2	Apply Autonomous Maintenance Techniques (Blended)	Electronics Industries Training Centre
			WSQ Restore High Voltage Outages	SINGAPORE INSTITUTE OF POWER AND GAS PTE. LTD.
Business and Organisational Management	Quality System Management	2	Apply Quality System	AIR TRANSPORT TRAINING COLLEGE PTE LTD
			Apply Quality Systems	AVANTA GLOBAL PTE. LTD.
			Apply Quality Systems	EDUQUEST INTERNATIONAL INSTITUTE PTE. LTD.
			Apply Quality Systems (Blended)	Electronics Industries Training Centre
			Apply Quality Systems (SC/SAP)	Institute of Process Industry (IPI) - A Division of ASPRI
			Apply Quality Systems	KAPLAN PROFESSIONAL
			Apply Quality Systems	KAPLAN PROFESSIONAL
			Apply Quality Systems	LEARNERS HUB PTE. LTD.
			Apply quality systems	MASS EDUCATION INSTITUTE PTE. LTD.
			Apply Quality Systems (QAC)	NTUC LEARNINGHUB PTE. LTD.
			Apply Quality System (SC/SAP)	PSA CORPORATION LIMITED
			Apply Quality Systems	SERVICE QUALITY CENTRE PTE. LTD.
			Apply Quality Systems	SFIC INSTITUTE PTE. LTD.
			WSQ Apply Quality Systems	SIA ENGINEERING COMPANY LIMITED
			WSQ Apply Quality Systems (In-House)	SIA ENGINEERING COMPANY LIMITED
			Apply Quality Systems	Singapore Institute of Materials Management
			Apply Quality System (QAC) use of SAP & SC	SINGAPORE NATIONAL EMPLOYERS FEDERATION
			Apply Quality Systems	SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.
			Apply Quality Systems (Use of SC & SAP)	SSA ACADEMY PTE. LTD.
			Apply Quality System	ST ELECTRONICS (E-SERVICES) PTE. LTD.
Apply Quality System	TEXTILE AND FASHION INDUSTRY TRAINING CENTRE PTE LTD			
Apply quality systems	THT ACADEMY PTE. LTD.			
Apply Quality System (AOP)	TRAINING VISION INSTITUTE PTE. LTD.			
Apply Quality Systems	WONG FONG ACADEMY PTE. LTD.			

Generic Skills and Competencies (GSC)		Modular Programmes	Providers
Title	Proficiency Level		
		Project a Positive and Professional Image (Impress Like a Pro)	Beacon Consulting Pte Ltd
		UPI! Your Service: Achieving Superior Service (Version B)	Capelle Academy Pte Ltd





ICDL Module 4: ES WSQ - Perform Spreadsheet Functions (Microsoft Excel 2007 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 4: ES WSQ - Perform Spreadsheet Functions (Microsoft Excel 2003 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 4: ES WSQ - Perform Spreadsheet Functions (Microsoft Excel 2010 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 4: ES WSQ - Perform Spreadsheet Functions (Microsoft Excel 2013 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 5: ES WSQ - Perform Database Functions (Microsoft Access 2003 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 5: ES WSQ - Perform Database Functions (Microsoft Access 2007 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 5: ES WSQ - Perform Database Functions (Microsoft Access 2010 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 5: ES WSQ - Perform Database Functions (Microsoft Access 2013 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 6: ES WSQ - Perform Presentations Functions (Microsoft PowerPoint 2003 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 6: ES WSQ - Perform Presentation Functions (Microsoft PowerPoint 2007 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 6 - ES WSQ - Perform Presentation Functions (Microsoft PowerPoint 2010 Fast Track)	Comat Training Services Pte Ltd
ICDL Module 6: ES WSQ - Perform Presentation Functions (Microsoft PowerPoint 2013 Fast Track)	Comat Training Services Pte Ltd
Perform Essential Online Functions (8 hrs) (ICDL Certification Module: Online Essentials)	Comat Training Services Pte Ltd
Use Essential Features of a Computer (8 hrs) (ICDL Certification Module: Computer Essentials)	Comat Training Services Pte Ltd
ICDL Module 4: ES WSQ - Perform Spreadsheet Functions (Microsoft Excel 2013 Blended)	Comat Training Services Pte Ltd
02 days - Demonstrate Secure Use of IT (17 hrs)(ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Microsoft Word 2010 - 17 hrs (Perform Word Processing Functions) (ICDL Cert Module 3)	Genetic Computer School Pte Ltd
02 days - (Microsoft Word 2013 - 17 hrs) Perform Word Processing Functions (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Microsoft Excel 2010 - 17 hrs (Perform Spreadsheet Functions) (ICDL Cert Module 4)	Genetic Computer School Pte Ltd
02 days - (Microsoft Excel 2013 - 17 hrs) Perform Spreadsheet Functions (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Microsoft Access 2010 - 17 hrs (Perform Database Functions) (ICDL Cert Module 5)	Genetic Computer School Pte Ltd
02 days - (Microsoft Access 2013 - 17 hrs) Perform Database Functions (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Microsoft PowerPoint 2010 - 17 hrs (Perform Presentation Functions) (ICDL Cert Module 6)	Genetic Computer School Pte Ltd
02 days - Microsoft PowerPoint 2013 - 17 hrs - Perform Presentation Functions (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Microsoft Outlook & Internet Explorer - Perform Essential Online Functions (16 hrs) (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Demonstrate Understanding of Concepts of IT Security - 16 hrs (ICDL Certification Module 12 : IT Security)	Genetic Computer School Pte Ltd
02 days - Use Essential Features of a Computer (16 hrs) (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - EqualSkills - Computer Fundamentals - Digital Citizen (16 hrs) (ICDL Certification)	Genetic Computer School Pte Ltd
02 days - Use Basic Functions and Applications of a Computer (16 hrs) (ICDL Certification : ICDL Base)	Genetic Computer School Pte Ltd
ICDL Module 6: ES WSQ - Perform Presentation Functions (Microsoft PowerPoint 2010)	GNS School
ICDL Module 6: ES WSQ - Perform Presentation Functions (Microsoft PowerPoint 2003)	GNS School
Secure Use of IT	Institute of Singapore Chartered Accountants
Online Essentials	Intellisoft Training Pte Ltd
Computer Essentials	Intellisoft Training Pte Ltd
Basic-Intermediate Microsoft Word 2010 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic_ Intermediate Microsoft Word 2013 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic Intermediate Microsoft Excel 2013 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic/Intermediate Microsoft Excel Certification (2 Days)	Intellisoft Training Pte Ltd
Basic/Intermediate Microsoft Access 2010 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic/Intermediate Microsoft Access 2013 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic_ Intermediate Microsoft PowerPoint 2010 Certification (2 Days)	Intellisoft Training Pte Ltd
Basic_ Intermediate Microsoft PowerPoint 2013 Certification (2 Days)	Intellisoft Training Pte Ltd
ES-FSI-103G-1 Perform Word Processing Functions	Kaplan Professional
ES-FSI-103G-1 Perform Word Processing Functions (16hrs)	Kaplan Professional
Create Impactful Documents with Word Processing Skills	Kaplan Professional
ES-FSI-104G-1 Perform Spreadsheet Functions	Kaplan Professional
ES-FSI-104G-1 Perform Spreadsheet Functions (16hrs)	Kaplan Professional
Excel with Basic Spreadsheet Functions	Kaplan Professional
ES-FSI-105G-1 Perform Database Functions	Kaplan Professional
ES-FSI-105G-1 Perform Database Functions (16hrs)	Kaplan Professional
ES-FSI-106G-1 Perform Presentation Functions	Kaplan Professional
ES-FSI-106G-1 Perform Presentation Functions (16hrs)	Kaplan Professional
Power up your Presentation with PowerPoint	Kaplan Professional
ES-FSI-107G-1 Perform Web Browsing and Communication	Kaplan Professional
ES-FSI-107G-2 Perform Essential Online Functions	Kaplan Professional
ES-FSI-108G-1-Demonstrate Understanding of Concepts of IT Security (16 hrs) (ICDL Certification Module: IT Security)	Kaplan Professional
ES-FSI-108G-1-Demonstrate Secure Use of IT	Kaplan Professional

Digital Literacy

Basic

ES-FSI-109G-1 Use Essential Features of a Computer	Kaplan Professional
Digital Citizen Computer Fundamentals	Kaplan Professional
ES-FSI-111G-1 Use Basic Functions and Applications of a Computer	Kaplan Professional
Use Primary Functions and Applications of a Tablet	Kaplan Professional
Perform Word Processing Functions 2010 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Perform Word Processing Functions 2013 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Perform Spreadsheet Functions 2010 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Perform Spreadsheet Functions 2013 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Perform Presentation Functions 2010 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Perform Presentation Functions 2013 (Standard Courseware)	Mendaki Social Enterprise Network Singapore Pte Ltd
Use Basic Functions and Applications of a Computer	Mendaki Social Enterprise Network Singapore Pte Ltd
Step-out Programme	Mendaki Social Enterprise Network Singapore Pte Ltd
BWW Pilot (Perform Word Processing Functions 2010 (Standard Courseware))	Mendaki Social Enterprise Network Singapore Pte Ltd
Step-out Programme	Mendaki Social Enterprise Network Singapore Pte Ltd
BWW Pilot (Perform Spreadsheet Function 2010 (Standard Courseware))	Mendaki Social Enterprise Network Singapore Pte Ltd
Step-out Programme	Mendaki Social Enterprise Network Singapore Pte Ltd
BWW Pilot (Perform Presentation Functions 2010 (Standard Courseware))	Mendaki Social Enterprise Network Singapore Pte Ltd
Use Primary Functions and Applications of a Computer	Mendaki Social Enterprise Network Singapore Pte Ltd
Use Primary Functions and Applications of a Tablet	Mendaki Social Enterprise Network Singapore Pte Ltd
Use Primary Functions and Applications of a Tablet	NTUC LearningHub Pte Ltd
Use Basic Functions and Applications of a Computer (24 hrs) (ICDL Certification Module: Intro to ICDL Base)	NTUC LearningHub Pte Ltd
Perform Word Processing Functions Word WSQ ICDL 2016	NTUC LearningHub Pte Ltd
Demonstrate Secure Use of IT	NTUC LearningHub Pte Ltd
Perform Word Processing Functions. (Office 2010 Standard Courseware)	NTUC LearningHub Pte Ltd
Perform Word Processing Functions (Office 2010)	NTUC LearningHub Pte Ltd
Perform Word Processing Functions (Office 2013)	NTUC LearningHub Pte Ltd
Perform Spreadsheet Functions (Office 2010 Standard Courseware).	NTUC LearningHub Pte Ltd
Perform Spreadsheet Functions (Office 2010)	NTUC LearningHub Pte Ltd
Perform Spreadsheet Functions (Office 2013)	NTUC LearningHub Pte Ltd
Perform Database Functions (Office 2010 Standard Courseware).	NTUC LearningHub Pte Ltd
Perform Database Functions (Office 2013 Standard Courseware)	NTUC LearningHub Pte Ltd
Perform Presentation Functions ( Office 2010 Standard Courseware).	NTUC LearningHub Pte Ltd
Perform Presentation Functions ( Office 2010)	NTUC LearningHub Pte Ltd
Perform Presentation Functions.(Office 2013)	NTUC LearningHub Pte Ltd
Perform Essential Online Functions (16 hrs) (ICDL Certification Module: Online Essentials)	NTUC LearningHub Pte Ltd
Use Essential Features of a Computer (16 hrs) (ICDL Certification Module: Computer Essentials)	NTUC LearningHub Pte Ltd
Use Primary Functions and Applications of a Computer (16 hrs) (ICDL Certification Module: Digital Citizen Computer Fundamentals)	NTUC LearningHub Pte Ltd
Use Basic Functions and Applications of a Computer (16 hrs) (ICDL Certification Module: Intro to ICDL Base)	NTUC LearningHub Pte Ltd
Perform Word Processing Functions	Service Quality Centre Pte Ltd
Perform Spreadsheet Functions	Service Quality Centre Pte Ltd
Perform Database Functions	Service Quality Centre Pte Ltd
Perform Presentation Functions	Service Quality Centre Pte Ltd
Perform Web Browsing and Communication	Service Quality Centre Pte Ltd
Perform Essential Online Functions (16 hrs) (ICDL Certification Module: Online Essentials)	Service Quality Centre Pte Ltd
Demonstrate Understanding of Concepts of IT Security (16 hrs) (ICDL Certification Module: IT Security)	Service Quality Centre Pte Ltd
Use Essential Features of a Computer (16 hrs) (ICDL Certification Module: Computer Essentials)	Service Quality Centre Pte Ltd
Use Primary Functions and Applications of a Computer (16 hrs) (ICDL Certification Module: EqualSkills)	Service Quality Centre Pte Ltd
Use Basic Functions and Applications of a Computer (16 hrs) (ICDL Certification Module: Intro to ICDL Base)	Service Quality Centre Pte Ltd
Digital Citizen Tablet Fundamentals	Singapore National Employers Federation
Demonstrate Secure Use of IT	Singapore National Employers Federation
ICDL Perform Word Processing Functions (Word 2003)	Singapore National Employers Federation
ICDL Perform Word Processing Functions (Word 2013) - 3 days	Singapore National Employers Federation
ICDL Perform Word Processing Functions (Word 2013) - 2 days	Singapore National Employers Federation
ICDL Perform Spreadsheet Functions (Excel 2003)	Singapore National Employers Federation
WSQ ICDL Excel Core 2007	Singapore National Employers Federation
ICDL Perform Spreadsheet Functions (Excel 2013) - 3 days	Singapore National Employers Federation
ICDL Perform Database Functions (Access 2003)	Singapore National Employers Federation

ICDL Perform Database Functions (Access 2013) - 3 days	Singapore National Employers Federation
ICDL Perform Database Functions (Access 2013) - 2 days	Singapore National Employers Federation
ICDL Perform Presentation Functions (PowerPoint 2003)	Singapore National Employers Federation
ICDL Perform Presentation Functions (PowerPoint 2013) - 3 days	Singapore National Employers Federation
ICDL Perform Presentation Functions (PowerPoint 2013) - 2 days	Singapore National Employers Federation
Demonstrate Understanding of Concepts of IT Security (16 hrs) (ICDL Certification Module: IT Security)	Singapore National Employers Federation
Use Pri Functions and Applns of a Computer (Windows 8-16hrs)(ICDL Cert Mod: Digital Citizen Computer Fundamentals	SSA Consulting Group Pte Ltd
Use Basic Functions and Applications of a Computer (16hrs) (ICDL Certification Module: Intro to ICDL Base)	SSA Consulting Group Pte Ltd
Use Basic Functions and Application of a Computer (Windows 7- 16hrs)(ICDL Certification Module:Intro to ICDL Base)	SSA Consulting Group Pte Ltd
Use Basic Functions and Application of a Computer (Windows 8) (16hrs ICDL Certification Module:Intro to ICDL Base)	SSA Consulting Group Pte Ltd
Use Primary Functions and Applications of a Tablet	SSA Consulting Group Pte Ltd
Perform Database Functions - 2010	SSA Consulting Group Pte Ltd
Use Primary Functions and Applications of a Tablet	Training Vision Institute Pte Ltd
Digital Citizen Computer Fundamentals	Training Vision Institute Pte Ltd
Microsoft Word	Training Vision Institute Pte Ltd
Microsoft Word 2010	Training Vision Institute Pte Ltd
Microsoft Excel	Training Vision Institute Pte Ltd
Microsoft Excel 2010	Training Vision Institute Pte Ltd
Microsoft Access	Training Vision Institute Pte Ltd
Microsoft Access 2010	Training Vision Institute Pte Ltd
Microsoft PowerPoint 2007	Training Vision Institute Pte Ltd
Microsoft PowerPoint 2010	Training Vision Institute Pte Ltd
Perform Web Browsing and Communication	Training Vision Institute Pte Ltd
Perform Essential Online Functions	Training Vision Institute Pte Ltd
Use Essential Features of a Computer	Training Vision Institute Pte Ltd
Use Basic Functions and Applications of a Computer	Training Vision Institute Pte Ltd
ICDL Core MS Word (2010)	Trainwell Computer Training Centre
ICDL Core MS Word	Trainwell Computer Training Centre
ICDL Word Processing with MS Word (2007)	Trainwell Computer Training Centre
ICDL Core MS Excel (2010)	Trainwell Computer Training Centre
ICDL Core MS Excel	Trainwell Computer Training Centre
ICDL Spreadsheet with MS Excel (2007)	Trainwell Computer Training Centre
ICDL Core MS Access (2010)	Trainwell Computer Training Centre
ICDL Core MS Access	Trainwell Computer Training Centre
ICDL Database with MS Access (2007)	Trainwell Computer Training Centre
ICDL Core MS PowerPoint (2010)	Trainwell Computer Training Centre
ICDL Core MS PowerPoint	Trainwell Computer Training Centre
ICDL Presentation with MS PowerPoint (2007)	Trainwell Computer Training Centre
ICDL Internet and Email (IE8/Outlook 2010)	Trainwell Computer Training Centre
ICDL Internet and Email (IE8/Outlook 2007)	Trainwell Computer Training Centre
Perform Essential Online Functions (16 hrs) (ICDL Certification Module: Online Essentials)	Trainwell Computer Training Centre
Demonstrate Understanding of Concepts of IT Security (16 hrs) (ICDL Certification Module: IT Security)	Trainwell Computer Training Centre
Secure Use of IT	Trainwell Computer Training Centre
Use Essential Features of a Computer (16 hrs) (ICDL Certification Module: Computer Essentials)	Trainwell Computer Training Centre
Digital Citizen Computer Fundamentals	Trainwell Computer Training Centre
Digital Citizen Fundamentals Plus	Trainwell Computer Training Centre