

Skills Framework for Energy and Chemicals

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

Engineering and Maintenance

Job Role:

Senior Maintenance Technician

Full Qualification Programmes	Providers
Advanced Diploma in Process Control & Instrumentation	Singapore Polytechnic
Advanced Diploma in Power System Engineering	Singapore Polytechnic

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business and Organisational Management	Continuous Improvement Management	3	Quality Assurance & Quality Control	Ngee Ann Polytechnic
Data Analytics	Data and Statistical Analytics	2	Validation QC Analytics QA and Documentation	Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic
Emergency Response and Crisis Management	Emergency Response Management	3	FFC - Respond to Fire and Hazmat Emergency RESPOND TO FIRE AND HAZMAT EMERGENCY Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency Respond to Fire and Hazmat Emergency RESPOND TO FIRE AND HAZMAT EMERGENCY COURSE	Civil Defence Academy Civil Defence Academy Leacov Singapore Pte. Ltd. Absolute Kinetics Consultancy Pte Ltd Association Of Company Emergency Response Teams (Singapore) Avanta Global Pte. Ltd. Cert Consultancy Group Pte. Ltd. Cosem Safety & Security Services Pte. Ltd. Petrochemical Corporation Of Singapore (Private) Limited Tecs Fire & Safety Training Pte. Ltd. Ever Safe Consultants Pte. Ltd.
Health, Safety and Environment Management	Environmental Management System Framework Development and Implementation	3	Chemical Safety Chemical Safety	Ngee Ann Polytechnic Nanyang Polytechnic
Health, Safety and Environment Management	Incident Investigation Management	2	Chemical Safety Chemical Safety Quality Assurance & Quality Control	Nanyang Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic
Maintenance Management	Preventive Maintenance Management	3	Perform Welding Supervision (Specialised) Perform Welding Inspection V.1 Perform Welding Inspection	Setsco Services Pte Ltd Cuttech Process Services Pte. Ltd. Setsco Services Pte Ltd
Business and Organisational Development	Technical Report Writing	2	cGMP Compliance Validation QC Analytics QA and Documentation Chemical Safety Gas Chromatography Environmental Testing Liquid Chromatography Mass Spectrometry Quality Assurance & Quality Control	Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic
Health, Safety and Environment Management	Workplace Safety and Health Framework Development and Implementation	3	Chemical Safety Advanced Certificate in Workplace Safety and Health (Process Plant) Supervise Workplace Safety and Health in Process Plant WSQ Advanced Certificate in Workplace Safety and Health Supervise Workplace Safety and Health in Process Plant WSQ-ADVANCED CERTIFICATE IN WORKPLACE SAFETY AND HEALTH Supervise Workplace Safety and Health in Process Plant Supervise Workplace Safety and Health in Process Plant	Ngee Ann Polytechnic Ntuc Learninghub Pte. Ltd. Avanta Global Pte. Ltd. Avanta Global Pte. Ltd. Greensafe International Pte. Ltd. Greensafe International Pte. Ltd. Industrial Training Centre Pte. Ltd. Institute Of Process Industry (Ipi) - A Division Of Aspri

			Supervise Workplace Safety and Health in Process Plant	Pec Ltd.
			Supervise Workplace Safety and Health in Process Plant	Pioneer Training Centre Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Qesh Consultants (Pte.) Ltd.
			Supervise Workplace Safety and Health in Process Plant	Simply Safety Pte. Ltd.
Health, Safety and Environment Management	Workplace Safety and Health Framework Development and Implementation	3	Supervise Workplace Safety and Health in Process Plant	Singapore Institution Of Safety Officers (Siso) The
			Supervise Workplace Safety and Health in Process Plant	Tecs Fire & Safety Training Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Arise Services Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Ever Safe Consultants Pte. Ltd.
			Supervise Workplace Safety & Health in Process Plant	Absolute Kinetics Consultancy Pte Ltd
			Supervise Workplace Safety & Health in Process Plant	Ngee Ann Polytechnic

Generic Skills and Competencies (GSCs)		Modular Programmes	Providers
Title	Proficiency Level		
Problem Solving	Intermediate	Solve Problems & Make Decisions at Supervisory Level	Absolute Kinetics Consultancy Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	Avanta Global Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	Capelle Academy Pte Ltd
		Eradicating Problems and Making Effective Decisions	Capelle Academy Pte Ltd
		Solve Problems & Make Decisions at Supervisory level	Cbm Pte Ltd
		ES WSQ Solve Problems and Make Decisions at Supervisory Level (Level 3)	Civil Service College
		Solve Problems and Make Decisions at Supervisory Level	Comat Training Services Pte Ltd
		WSQ Solve Problems and Make Decisions at Supervisory Level	Eagle Infotech Consultants Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	E-Square Communication And Management Training Consultancy
		Solve Problems and Make Decisions at Supervisory Level	Ever Safe Consultants Pte Ltd
		'Effective Problem Solving and Decision Making'	Everest Innovation Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	Greensafe International Pte Ltd
		ES WSQ Systematic Problem Solving & Decision Making (Supervisory Level)	Integrated Learning Systems Pte Ltd
		Solve Problems and Make Decisions for Supervisors	Lighthouse Global Training And Consultancy Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	Mendaki Social Enterprise Network Singapore Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	Nanyang Polytechnic
		Solve Problems and Make Decisions at Managerial Level (ES-ACE-402G-1)	Ntuc Learning Hub Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level (ES-ACE-302G-1)	Ntuc Learninghub Pte Ltd
		Solve Problems and Make Decisions at Managerial Level	Service Quality Centre Pte Ltd
		Innovative Problem Solving and Decision Making	Singapore Institute Of Management
		Solve Problems and Make Decisions at Supervisory Level	Singapore National Employers Federation
		Solve Problems and Make Decisions at Managerial Level	Singapore National Employers Federation
		Solve Problems and Make Decisions at Supervisory Level	Singapore Polytechnic
Solve Problems & Make Decisions at Supervisory Level	Ssa Consulting Group Pte Ltd		
Solve Problems and Make Decisions at Managerial Level	Ssa Consulting Group Pte Ltd		
Solve Problems and Make Decisions at Supervisory Level	Trillion Training (S) Pte Ltd		
Solve Problems and Make Decisions at Supervisory Level	U-Training Centre Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Absolute Kinetics Consultancy Pte Ltd
		Develop Self	Bootstrap Pte Ltd
		People Leadership Program	Capelle Academy Pte Ltd
		Leading through People	Capelle Academy Pte Ltd

Communication	Intermediate	Manage Self	Charles Mann Training And Consultancy Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Comat Training Services Pte Ltd		
		Lead Workplace Communication and Engagement	Eben Consultants (Far East) Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	E-Square Communication And Management Training Consultancy		
		Decision Making & Self Mastery	Everest Innovation Pte Ltd		
		Be an Achiever: Manage Self	Image Institute Of Learning And Development Pte Ltd		
		ES WSQ Effective Interactive and Relationship Management (Supervisory)	Integrated Learning Systems Pte Ltd		
		ES-IP-301G-1 Facilitate Effective Communication & Engagement at the Workplace	Kaplan Professional		
		ES-IP-401G-1 Lead Workplace Communication and Engagement	Kaplan Professional		
		Manage Self	Kaplan Professional		
Communication	Intermediate	Develop Self	Kaplan Professional		
		Facilitate Effective Communication and Engagement at the Workplace	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Manage Self	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Develop Self	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Nanyang Polytechnic		
		Facilitate Effective Communication and Engagement at the Workplace	Ngee Ann Polytechnic		
		Lead Workplace Communication and Engagement	Ngee Ann Polytechnic		
		Facilitate Effective Communication and Engagement at the Workplace (ES-IP-301G-1)	Ntuc Learninghub Pte Ltd		
		Lead Workplace Communication and Engagement (ES-IP-401G-1)	Ntuc Learninghub Pte Ltd		
		Manage Self	Ntuc Learninghub Pte Ltd		
		Develop Self powered by John Maxwell	Ntuc Learninghub Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Psb Corporation Pte Ltd		
		Manage Self	Raffles Skills Lab International Training Centre Pte Ltd		
		Manage Self	Seraphcorp Institute Pte Ltd		
		Develop Self	Seraphcorp Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Service Quality Centre Pte Ltd		
		Lead Workplace Communication and Engagement	Service Quality Centre Pte Ltd		
		Manage Self	Singapore Chinese Chamber Institute Of Business		
		Develop Self	Singapore Chinese Chamber Institute Of Business		
		Developing Self Effectiveness for Business Performance	Singapore Institute Of Management		
		The Facilitative Leader of Self-Managed Teams	Singapore National Employers Federation		
		Creative Leadership and Self Development Skills	Singapore National Employers Federation		
		Facilitate Effective Communication and Engagement at the Workplace	The National University Of Singapore Society		
		Develop Self to Maintain Professional Competence at Managerial Level	Training Masters Workforce Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Training Vision Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace (Contextualised)	Training Vision Institute Pte Ltd		
		Lead Workplace Communication and Engagement (Contextualised)	Training Vision Institute Pte Ltd		
		Lead workplace communication and engagement	Training Vision Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Trillion Training (S) Pte Ltd		
		Lead Workplace Communication and Engagement	Trust Management Centre		
				Support Team	Bootstrap Pte Ltd
				Facilitate Effective Work Teams (ES-IP302G-1)	Cambrian Academy Pte Ltd
Synergizing for Success	Capelle Academy Pte Ltd				
Building a Results-Oriented Team	Capelle Academy Pte Ltd				
People Leadership Program	Capelle Academy Pte Ltd				
WSQ Facilitate Effective Work Teams	Eagle Infotech Consultants Pte Ltd				
Facilitate Effective Work Teams	Image Institute Of Learning And Development Pte Ltd				
One Dream - One Team: Manage Team Effectively	Image Institute Of Learning And Development Pte Ltd				
Support Team	Kaplan Professional				
Lead Team	Kaplan Professional				

Teamwork	Intermediate	Lead Team	Loyal Reliance Pte Ltd
		Facilitate Effective Work Teams	Mendaki Social Enterprise Network Singapore Pte Ltd
		Support Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Lead Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Support Team powered by John Maxwell	Ntuc Learninghub Pte Ltd
		Lead Team	Ntuc Learninghub Pte Ltd
		Building a High Performance Team (I)	Rohei Corporation Pte Ltd
		Art of Leadership: Influence & Manage your Team for Results	Rohei Corporation Pte Ltd
		Support Team	Seraphcorp Institute Pte Ltd
		Lead Team	Seraphcorp Institute Pte Ltd
		Support Team	Service Quality Centre Pte Ltd
		Support Team	Singapore Chinese Chamber Institute Of Business
		Lead Team	Singapore Chinese Chamber Institute Of Business
		Developing and Engaging Your Team for Workplace Success	Singapore Institute Of Management
		Dynamic Planning and Execution for Managers	Singapore Institute Of Management
		Develop A Work Team	Singapore National Employers Federation
		Support Your Team Creatively	Singapore National Employers Federation
		Facilitate Effective Work Teams	Ssa Consulting Group Pte Ltd
		Develop a Work Team	Ssa Consulting Group Pte Ltd
		Teamwork	Intermediate
		Facilitate Effective Work Teams	Trillion Training (S) Pte Ltd
Managing Diversity	Intermediate	Cultivate Workplace Relationships	Alue Singapore Pte Ltd
		Manage a Diverse Service Environment	Andalus Corporation Pte Ltd
		Facilitate Effective Work Teams (ES-IP302G-1)	Cambrian Academy Pte Ltd
		Harness Diversity for Service Excellence (Version B)	Capelle Academy Pte Ltd
		GROUP Excellence	Capelle Academy Pte Ltd
		Synergizing for Success	Capelle Academy Pte Ltd
		WSQ Facilitate Effective Work Teams	Eagle Infotech Consultants Pte Ltd
Managing Diversity	Intermediate	Bond to Excel: Cultivate Workplace Relationship	Image Institute Of Learning And Development Pte Ltd
		Facilitate Effective Work Teams	Image Institute Of Learning And Development Pte Ltd
		Manage a Diverse Service Environment	Kaplan Professional
		Cultivate Workplace Relationships	Kaplan Professional
		Manage A Diverse Service Environment	Loyal Reliance Pte Ltd
		Manage A Diverse Service Environment	Mendaki Social Enterprise Network Singapore Pte Ltd
		Facilitate Effective Work Teams	Mendaki Social Enterprise Network Singapore Pte Ltd
		WSQ Manage A Diverse Service Environment	Ntuc Learning Hub Pte Ltd
		WSQ Manage a Diverse Service Environment powered by John Maxwell	Ntuc Learning Hub Pte Ltd
		Cultivate Workplace Relationships powered by John Maxwell	Ntuc Learninghub Pte Ltd
		Cultivate Workplace Relationships	Raffles Skills Lab International Training Centre Pte Ltd
		Diversity Star Coach	Rohei Corporation Pte Ltd
		Building a High Performance Team (I)	Rohei Corporation Pte Ltd
		Art of Leadership: Influence & Manage your Team for Results	Rohei Corporation Pte Ltd
		Cultivate Workplace Relationships	Seraphcorp Institute Pte Ltd
		Manage A Diverse Service Environment	Service Quality Centre Pte Ltd
		Cultivate and Manage Service Performance	Singapore Chinese Chamber Institute Of Business
		Cultivate Workplace Relationships	Singapore Chinese Chamber Institute Of Business
		Developing and Engaging Your Team for Workplace Success	Singapore Institute Of Management
		Manage A Diverse Service Environment	Singapore Institute Of Retail Studies
		Cultivate Workplace Relationships to Optimise Team Performance	Singapore National Employers Federation
		Develop A Work Team	Singapore National Employers Federation
		Develop a Work Team	Ssa Consulting Group Pte Ltd
		Facilitate Effective Work Teams	Ssa Consulting Group Pte Ltd
		Cultivate Workplace Relationships and Diversity	Training Masters Workforce Institute Pte Ltd
		Manage A Diverse Service Environment	Training Vision Institute Pte Ltd
		Facilitate Effective Work Teams	Trillion Training (S) Pte Ltd
		Cultivate Workplace Relationships	Alue Singapore Pte Ltd
		Emotional Intelligence: The Cutting Edge of Leadership	Capelle Academy Pte Ltd

Interpersonal Skills	Intermediate	Enhancing Team Effectiveness	Capelle Academy Pte Ltd
		GROUP Excellence	Capelle Academy Pte Ltd
		Emotional Intelligence (EQ) for Top Performance at Work for Managers & Supervisors	Ceq Asia Pte Ltd
		Build Team Relationships	Charles Mann Training And Consultancy Pte Ltd
		WSQ Apply Emotional Competence to Manage Self and Team	Eagle Infotech Consultants Pte Ltd
		Bond to Excel: Cultivate Workplace Relationship	Image Institute Of Learning And Development Pte Ltd
		Build Team Relationships	Kaplan Professional
		Cultivate Workplace Relationships	Kaplan Professional
		Apply Emotional Competence to Manage Self and Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Build Team Relationships	Mendaki Social Enterprise Network Singapore Pte Ltd
		Build Team Relationships powered by John Maxwell	Ntuc Learninghub Pte Ltd
		Cultivate Workplace Relationships powered by John Maxwell	Ntuc Learninghub Pte Ltd
		Leading for Results	Ode Consulting Pte Ltd
		Cultivate Workplace Relationships	Raffles Skills Lab International Training Centre Pte Ltd
		WSQ Emotional Intelligence @ Work for Managers	Rohei Corporation Pte Ltd
		WSQ Emotional Intelligence @ Work for Managers - 16hr	Rohei Corporation Pte Ltd
		Advance your Influence & Communication Skills with Emotional Intelligence (Includes follow-up Group Coaching session)	Rohei Corporation Pte Ltd
		Advance Your Influence & Communication Skills with Emotional Intelligence	Rohei Corporation Pte Ltd
		Build Team Relationships	Seraphcorp Institute Pte Ltd
		Cultivate Workplace Relationships	Seraphcorp Institute Pte Ltd
Build Team Relationships	Service Quality Centre Pte Ltd		
Interpersonal Skills	Intermediate	Build Team Relationships	Singapore Chinese Chamber Institute Of Business
		Cultivate Workplace Relationships	Singapore Chinese Chamber Institute Of Business
		Mastering Personal Effectiveness and Emotional Competence	Singapore Institute Of Management
		The Job of the Manager (JOMAN): Essential Managerial Techniques	Singapore Institute Of Management
		Apply emotional competence to manage self & others in business context (SD)	Singapore Institute Of Retail Studies (Sirs)
		Apply Emotional Competence to Manage Self and Others in a Business Context	Singapore National Employers Federation
		Build Positive Team Relationships	Singapore National Employers Federation
		Cultivate Workplace Relationships to Optimise Team Performance	Singapore National Employers Federation
		Apply Emotional Competence to Manage Self and Team	Ssa Consulting Group Pte Ltd
		Apply Emotional Competence to Manage Self and Others in a Business Context	Ssa Consulting Group Pte Ltd
		Cultivate Workplace Relationships and Diversity	Training Masters Workforce Institute Pte Ltd