

Skills Framework for Energy and Chemicals

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

Production and Process Engineering

Job Role:

Operation Specialist

Full Qualification Programmes	Providers
Specialist Certificate in Process Safety	Singapore Institute Of Technology

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business and Organisational Management	Change Management	4	Safety Management and Audit	Singapore University Of Social Sciences
			Risk Assessment and Management	Singapore University Of Social Sciences
			Environmental Management & Sustainable Development	Singapore University Of Social Sciences
			Accident and Incident Investigation	Singapore University Of Social Sciences
			Behavioural Based Safety	Singapore University Of Social Sciences
			Safety Standards, Legislations and Best Practices	Singapore University Of Social Sciences
			Fatigue Management	Singapore University Of Social Sciences
Business and Organisational Management	Continuous Improvement Management	3	Quality Assurance & Quality Control	Ngee Ann Polytechnic
Data Analytics	Data and Statistical Analytics	3	Data Visualisation for Business	Singapore University Of Social Sciences
			Fundamentals of Data Mining	Singapore University Of Social Sciences
			Association and Clustering	Singapore University Of Social Sciences
			Predictive Modelling	Singapore University Of Social Sciences
			Business Analytics Applications	Singapore University Of Social Sciences
			Business Forecasting	Singapore University Of Social Sciences
Emergency Response and Crisis Management	Emergency Response Management	4	Emergency Preparedness & Response Planning	Singapore University Of Social Sciences
			Fire Fighter Course 1	Civil Defence Academy
			IMPLEMENT INCIDENT MANAGEMENT PROCESSES	Civil Defence Academy
			Rota Commander Course	Civil Defence Academy
			Implement Incident Management Process	Absolute Kinetics Consultancy Pte Ltd
			Implement Incident Management Process	A Star Safety Centre Pte. Ltd.
			Implement Incident Management Process	Avanta Global Pte. Ltd.
			Implement Incident Management Process	Glen Iris Tracon Pte. Ltd.
			Implement Incident Management Process	Greencross Safety Fire And Equipment Consultants Pte. Ltd.
			Implement Incident Management Process	Institute Of Process Industry (Ipi) - A Division Of Aspri
			Implement Incident Management Process	Leacov Singapore Pte. Ltd.
			Implement Incident Management Process	Petrochemical Corporation Of Singapore (Private) Limited
			Implement Incident Management Process	Pioneer Training Centre Pte. Ltd.
			Implement Incident Management Process	Singapore Institution Of Safety Officers (Siso) The
			Implement Incident Management Processes	Association Of Company Emergency Response Teams (Singapore)
			Implement Incident Management Processes	Cert Consultancy Group Pte. Ltd.
			Implement Incident Management Processes	Cosem Safety & Security Services Pte. Ltd.
			Implement Incident Management Processes	Flexi Industrial Safety Training Pte. Ltd.
			Implement Incident Management Processes	Greensafe International Pte. Ltd.
			Implement Incident Management Processes	Industrial Training Centre Pte. Ltd.
			Implement Incident Management Processes	Infinity Continuity
			Implement Incident Management Processes	Tecs Fire & Safety Training Pte. Ltd.
			IMPLEMENT INCIDENT MANAGEMENT PROCESSES	Dynamic Safety Pte. Ltd.
			Implement Incident Management Processes Course	Ever Safe Consultants Pte. Ltd.
			WSQ Implement Incident Management Process	Aat Training Hub Pte. Ltd.
			WSQ Implement Incident Management Process	Novexx Pte. Ltd.
			WSQ Implement Incident Management Processes	Aesperon Academy Private Limited
			WSQ Implement Incident Management Processes	SkillsHQ Academy Pte. Ltd.
			ESTABLISH A BASIC UNDERSTANDING OF CHANGE CONTROL MANAGEMENT	Temasek Polytechnic
			Engineering Design and Project Management	Engineering Project Management

Health, Safety and Environment Management	Environmental Management System Framework Development and Implementation	4	Environmental Management & Sustainable Development	Singapore University Of Social Sciences
Quality Assurance and Quality Control Management	Non-Conformance Management	3	cGMP Compliance	Ngee Ann Polytechnic
			QC Analytics	Ngee Ann Polytechnic
			Validation	Ngee Ann Polytechnic
			QA and Documentation	Ngee Ann Polytechnic
			Quality Assurance & Quality Control	Ngee Ann Polytechnic

Process Engineering Management	Process Optimisation	4	Data Visualisation for Business	Singapore University Of Social Sciences
			Fundamentals of Data Mining	Singapore University Of Social Sciences
			Association and Clustering	Singapore University Of Social Sciences
			Predictive Modelling	Singapore University Of Social Sciences
			Business Forecasting	Singapore University Of Social Sciences
			Optimise Operating Systems (SAP)	Temasek Polytechnic
Process Operations Management	Process Plant and Equipment Integrity Management	3	Perform Automatic Filter Integrity Testing	Merck Pte. Ltd.
			Perform Automatic Filter Integrity Testing	Temasek Polytechnic
Business and Organisational Management	Project Management	4	Principles of Project Management	Singapore University Of Social Sciences
Quality Assurance and Quality Control Management	Quality Assurance Management	3	QC Analytics	Ngee Ann Polytechnic
			QA and Documentation	Ngee Ann Polytechnic
			Quality Assurance & Quality Control	Ngee Ann Polytechnic
Health, Safety and Environment Management	Safe System of Work Development and Implementation	4	Safety Management and Audit	Singapore University Of Social Sciences
			Risk Assessment and Management	Singapore University Of Social Sciences
			Behavioural Based Safety	Singapore University Of Social Sciences
Health, Safety and Environment Management	Workplace Safety and Health Framework Development and Implementation	4	Safety Management and Audit	Singapore University Of Social Sciences
			Risk Assessment and Management	Singapore University Of Social Sciences
			Behavioural Based Safety	Singapore University Of Social Sciences
			Safety Standards, Legislations and Best Practices	Singapore University Of Social Sciences
			Fatigue Management	Singapore University Of Social Sciences

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
Decision Making	Intermediate	Develop Self	Bootstrap Pte Ltd
		Leading through People	Capelle Academy Pte Ltd
		Develop Self	Kaplan Professional
		Develop Self	Mendaki Social Enterprise Network Singapore Pte Ltd
		Develop Self powered by John Maxwell	Ntuc Learninghub Pte Ltd
Decision Making	Intermediate	Develop Self	Seraphcorp Institute Pte Ltd
		Develop Self	Singapore Chinese Chamber Institute Of Business
		Developing Self Effectiveness for Business Performance	Singapore Institute Of Management
Teamwork	Intermediate	Creative Leadership and Self Development Skills	Singapore National Employers Federation
		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
		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
		Lead Team Leaders to Develop Business Strategies and Governance Management	Training Masters Workforce Institute Pte Ltd
		Facilitate Effective Work Teams	Trillion Training (S) Pte Ltd
		Communication	Intermediate
Develop Self	Bootstrap Pte Ltd		
People Leadership Program	Capelle Academy Pte Ltd		
Leading through People	Capelle Academy Pte Ltd		
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		
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
Communication	Intermediate	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		
Interpersonal Skills	Intermediate	Cultivate Workplace Relationships	Alue Singapore Pte Ltd
		Emotional Intelligence: The Cutting Edge of Leadership	Capelle Academy Pte Ltd
		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
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