

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: Maintenance Technician	
Full Qualification Programmes	Providers
Diploma in Engineering (Mechanical)	Ngee Ann Polytechnic
Diploma in Engineering (Mechatronics)	Ngee Ann Polytechnic
(Earn and Learn Programme) Specialist Diploma in Analytical Science	Ngee Ann Polytechnic
Diploma in Engineering (Electrical and Electronic)	Republic Polytechnic
(Earn and Learn Programme) Diploma in Engineering (Control & Automation)	Singapore Polytechnic
(Earn and Learn Programme) Diploma in Engineering (Power Engineering)	Singapore Polytechnic

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
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	2	Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace Respond to Fire Incident in Workplace RESPOND TO FIRE INCIDENT IN WORKPLACE COURSE WSQ Respond to Fire Incident in Workplace WSQ RESPOND TO FIRE INCIDENT IN WORKPLACE WSQ Response to Fire Incident in Workplace FFC - Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings Respond to Fire Emergency in Buildings RESPOND TO FIRE EMERGENCY IN BUILDINGS RESPOND TO FIRE EMERGENCY IN BUILDINGS COURSE	Aat Training Hub Pte. Ltd. Absolute Kinetics Consultancy Pte Ltd Association Of Company Emergency Response Teams (Singapore) Avanta Global Pte. Ltd. Cert Consultancy Group Pte. Ltd. Glen Iris Tracon Pte. Ltd. Greencross Safety Fire And Equipment Consultants Pte. Ltd. Institute Of Process Industry (Ipi) - A Division Of Aspri Leacov Singapore Pte. Ltd. Novexx Pte. Ltd. Tecs Fire & Safety Training Pte. Ltd. Cossem Safety & Security Services Pte. Ltd. Ever Safe Consultants Pte. Ltd. Pioneer Training Centre Pte. Ltd. Greensafe International Pte. Ltd. Skillshq Academy Pte. Ltd. Civil Defence Academy Leacov Singapore Pte. Ltd. Absolute Kinetics Consultancy Pte Ltd Avanta Global Pte. Ltd. Cert Consultancy Group Pte. Ltd. Cossem Safety & Security Services Pte. Ltd. Glen Iris Tracon Pte. Ltd. Institute Of Process Industry (Ipi) - A Division Of Aspri Tecs Fire & Safety Training Pte. Ltd. Association Of Company Emergency Response Teams (Singapore) Ever Safe Consultants Pte. Ltd.
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	2	Perform Alignment of Rotating Equipment Perform Alignment of Rotating Equipment (for external customer) Perform Manual Arc Welding to Code Standard on Mild Steel Plates in the Horizontal Position (2G) Perform Visual Welding Inspection Perform Visual Welding Inspection	Pec Ltd. Pec Ltd. Rotary Engineering Limited. Setsco Services Pte Ltd Hsl Constructor Pte Ltd

			WSQ Perform Advanced Dimensional Measurement	Hsl Constructor Pte Ltd
			WSQ Select, Verify and Review Non-Destructive Testing	Hsl Constructor Pte Ltd
Health, Safety and Environment Management	Safe System of Work Development and Implementation	2	Work in accordance with an issued permit	Institute Of Process Industry (Ipi)
Health, Safety and Environment Management	Workplace Safety and Health Hazard Identification and Risk Control Management	2	Chemical Safety	Ngee Ann Polytechnic

Generic Skills and Competencies (GSCs)		Modular Programmes	Providers
Title	Proficiency Level		
Teamwork	Basic	Work In A Team	Agb Education Centre Pte Ltd
		WSQ Work in a Team	Eagle Infotech Consultants Pte Ltd
		Work in a Team	Lighthouse Global Training And Consultancy Pte Ltd
		Work in A Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Work In A Team	Natc Institute Pte Ltd
		Work in a Team	Ntuc Learninghub Pte Ltd
		Work in a Team	Ssa Consulting Group Pte Ltd
Problem Solving	Basic	Work in a Team	Trillion Training (S) Pte Ltd
		Solve Problems and Make Decisions at Operations Level	Agb Education Centre Pte Ltd
		Solve Problems and Make Decisions at Operations Level	Avanta Global Pte Ltd
		Solve Problems and Make Decisions	Capelle Academy Pte Ltd
		ES WSQ Solve Problems and Make Decisions at Operations Level (Level 1)	Civil Service College
		Solve Problems and Make Decisions at Operations Level	Compas Management Consulting Pte Ltd
		WSQ Solve Problems and Make Decisions at Operations Level	Eagle Infotech Consultants Pte Ltd
		Solve Problems and Make Decisions at Operational Level	Eben Consultants (Far East) Pte Ltd
		Solve Problem and Make Decisions at Operations Level	Lighthouse Global Training And Consultancy Pte Ltd
		Solve Problem and Make Decision at Operations Level	Mendaki Social Enterprise Network Singapore Pte Ltd
		ES-ACE-102G-1 Solve Problems and Make Decisions at Operations Level	Natc Institute Pte Ltd
		Solve Problems and Make Decisions at Operations Level (ES-ACE-102G-1)	Ntuc Learninghub Pte Ltd
		Solve Problems and Make Decisions at Operations Level	Singapore National Employers Federation
		Solve Problems and Make Decisions at Operations Level	Singapore Polytechnic
Solve Problems and Make Decisions at Operations Level	Ssa Consulting Group Pte Ltd		
Solve Problems and Make Decisions at Operations Level	Trillion Training (S) Pte Ltd		
Communication	Basic	Project a Positive and Professional Image (Impress Like a Pro)	Beacon Consulting Pte Ltd
		UP! Your Service: Achieving Superior Service (Version B)	Capelle Academy Pte Ltd
		Winning Service (Version B)	Capelle Academy Pte Ltd
		Workplace Training for Project a Positive and Professional Image	Caretech168 Lp
		Project a Positive and Professional Image	Dsi Academy Pte Ltd
		WSQ Project a Positive and Professional Image	Eagle Infotech Consultants Pte Ltd
		Project a Positive and Professional Image (SVCF-CS-102C-1)	Eben Consultants (Far East) Pte Ltd
		Communicate & Relate Effectively at the Workplace	E-Square Communication And Management Training Consultancy
		Effective Customer Service Skills (Module 1)	Impact Management Seminars Pte Ltd
		3 Secrets to Establish Confidence and Professionalism	Impact Management Seminars Pte Ltd
		ES WSQ Effective Interaction & Relationship Management (Operational)	Integrated Learning Systems Pte Ltd
		Project a Positive and Professional Image	Kaplan Professional
		Communicate & Relate Effectively at the Workplace	Kaplan Professional
		WSQ Workplace Training for "Project A Positive & Professional Image"	Leacov Singapore Pte Ltd
		Communicate and Relate Effectively at the Workplace	Lighthouse Global Training And Consultancy Pte Ltd
Communicate and Negotiate Effectively at the Workplace (Operations)	Mendaki Social Enterprise Network Singapore Pte Ltd		

		Communicate and Relate Effectively at the Workplace	Mendaki Social Enterprise Network Singapore Pte Ltd
		Communicate and Relate Effectively at the Workplace	Natc Institute Pte Ltd
		WSQ Project a Positive and Professional Image	Ntuc Learning Hub Pte Ltd
		Communicate and Relate Effectively at the Workplace (ES-IP-101G-1)	Ntuc Learninghub Pte Ltd
		Communicate and Relate Effectively at the Workplace	Psb Corporation Pte Ltd
		Extra Mile Professionalism	Rohei Corporation Pte Ltd
		Communicate and Relate Effectively at the Workplace	Rsvp Proguide Pte. Ltd.
		Project a Positive and Professional Image	Service Quality Centre Pte Ltd
		Communicate and Relate Effectively at the Workplace	Service Quality Centre Pte Ltd
		Deliver Personalised Service	Singapore Institute Of Hospitality
Communication	Basic	Project a Positive and Professional Image	Singapore Institute Of Retail Studies
		Project a Positive and Professional Image	Singapore National Employers Federation
		Communicate and Relate Effectively at the Workplace	Singapore National Employers Federation
		Communicate and Relate Effectively at the Workplace	Ssa Consulting Group Pte Ltd
		Project a Positive and Professional Image	Studyworks Pte Ltd
		Communicate and Relate Effectively at the Workplace	The National University Of Singapore Society
		Project a Positive and Professional Image	Training Vision Institute Pte Ltd
		Communicate and Relate Effectively at the Workplace	Training Vision Institute Pte Ltd
		Communicate and Relate Effectively at the Workplace	Trillion Training (S) Pte Ltd
		Project a Positive and Professional Image	Xperienz Pte Ltd