

Skills Framework for Energy and Chemicals

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

Technical Service, Application and Product Development Job Role: **Senior Technical Service Engineer**

Full Qualification Programmes	Providers
N/A	N/A

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business and Organisational Management	Business Networking Management	5	Patent Information & Search	Singapore University Of Social Sciences
			IP in R&D and Innovation	Singapore University Of Social Sciences
			Commercialising Innovation	Singapore University Of Social Sciences
			Assessing Technology	Singapore University Of Social Sciences
			Monetising Innovation: Taxation & Valuation	Singapore University Of Social Sciences
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	4	Quality Assurance & Quality Control	Ngee Ann Polytechnic
			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
			Cognitive Systems Engineering	Singapore University Of Social Sciences
Safety, Risk and Resilience Engineering	Singapore University Of Social Sciences			
Health, Safety and Environment Management	Environmental Management System Framework Development and Implementation	3	Chemical Safety	Ngee Ann Polytechnic
			Chemical Safety	Nanyang Polytechnic
Laboratory Management	Laboratory Data Reporting and Analysis Management	5	IP in R&D and Innovation	Singapore University Of Social Sciences
Business and Organisational Management	Project Management	5	Patent Information & Search	Singapore University Of Social Sciences
			IP in R&D and Innovation	Singapore University Of Social Sciences
			Commercialising Innovation	Singapore University Of Social Sciences
			Assessing Technology	Singapore University Of Social Sciences
			Monetising Innovation: Taxation & Valuation	Singapore University Of Social Sciences
Quality Assurance and Quality Control Management	Quality Control Management	3	QC Analytics	Ngee Ann Polytechnic
			QA and Documentation	Ngee Ann Polytechnic
			Quality Assurance & Quality Control	Ngee Ann Polytechnic
			Implement Process Quality [SAP]	Temasek Polytechnic
Business and Organisational Management	Technical Presentation	5	Patent Information & Search	Singapore University Of Social Sciences
			IP in R&D and Innovation	Singapore University Of Social Sciences
			Assessing Technology	Singapore University Of Social Sciences
			Monetising Innovation: Taxation & Valuation	Singapore University Of Social Sciences
Health, Safety and Environment Management	Workplace Safety and Health Framework Development and Implementation	3	Chemical Safety	Ngee Ann Polytechnic
			Advanced Certificate in Workplace Safety and Health (Process Plant)	Ntuc Learninghub Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Avanta Global Pte. Ltd.
			WSQ Advanced Certificate in Workplace Safety and Health	Avanta Global Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Greensafe International Pte. Ltd.
			WSQ-ADVANCED CERTIFICATE IN WORKPLACE SAFETY AND HEALTH	Greensafe International Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	Industrial Training Centre Pte. Ltd.
			Supervise Workplace Safety and Health in Process Plant	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.
			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.
Health, Safety and Environment Management	Workplace Safety and Health Framework Development and Implementation	3	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
Health, Safety and Environment Management	Workplace Safety and Health Hazard Identification and Risk Control Management	4	Safety Management and Audit	Singapore University Of Social Sciences
			Risk Assessment and Management	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
			Occupational Biomechanics	Singapore University Of Social Sciences
			Workplace Evaluation and Design	Singapore University Of Social Sciences
			Cognitive Systems Engineering	Singapore University Of Social Sciences
			Safety, Risk and Resilience Engineering	Singapore University Of Social Sciences
Environmental Hazards and Toxicology	Singapore University Of Social Sciences			

Generic Skills and Competencies (GSCs)		Modular Programmes	Providers
Title	Proficiency Level		
Problem Solving	Advanced	IMPACT: Advanced Problem Solving & Decision Making Workshop	Capelle Academy Pte Ltd
		Apply Systems Thinking in Problem Solving and Decision Making	Service Quality Centre Pte Ltd
		Apply Systems Thinking in Problem Solving & Decision Making	Singapore National Employers Federation
		Apply Systems Thinking in Problem Solving and Decision Making	Ssa Consulting Group Pte Ltd
Sense Making	Advanced	WSQ Service Analytics	Institute Of Systems Science, National University Of Singapore
		Analyse Service Quality and Customer Satisfaction	Kaplan Professional
		Analyse Service Quality and Customer Satisfaction	Service Quality Centre Pte Ltd
		Analyse Service Quality and Customer Satisfaction	Training Vision Institute 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
		Develop Self	Seraphcorp Institute Pte Ltd
		Develop Self	Singapore Chinese Chamber Institute Of Business
		Developing Self Effectiveness for Business Performance	Singapore Institute Of Management
Creative Leadership and Self Development Skills	Singapore National Employers Federation		