

Skills Framework for Public Transport

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

Rail Engineering (Permanent Way and Civil Structure)

Job Role:
Principal Engineer/Engineering Manager (Permanent Way and Civil Structure)

Full Qualification Programmes	Providers
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Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business Management	Budgeting	4	Financial Management Skills for Non-Accountants	Nanyang Polytechnic
			Manage Budgeting and Forecasting Processes for the Business Unit	Singapore National Employers' Federation
Business Management	Change Management	5	Leading Organisational Change	Singapore Institute of Management (SIM)
Business Management	Data and Statistical Analytics	5	NICF - Statistics Bootcamp Using R and Tableau	Institute of Systems Science, NUS
			NICF - Data Analytics	Lithan Academy Pte Ltd
			NICF-Business Analytics for CIOs and Senior Managers	NUS School of Computing
			NICF - Business Intelligence Analytics	National University of Singapore
Business Management	Project Management	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
Business Management	Innovation Management	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
			Business Driven Enterprise Architecture: Integrated Approach from Business Strategy to Implementation.	National University of Singapore
			NICF-Business Driven Enterprise Architecture: Integrated Approach from Business Strategy to Implementation	National University of Singapore
			Innovating for Organisational Success	Singapore National Employers Federation
Evaluate technologies to improve organisational performance (SD)	Singapore Institute of Retail Studies			
Maintenance Management	Condition-based Assets Monitoring Management	4	Intermediate Requirements Engineering	Singapore Institute of Technology
Maintenance Management	Engineering Maintenance Management	4	Facility Management Using ARCHIBUS Asset Building Operations Management	Singapore Institute of Technology
People Management	Manpower Planning and Deployment	4	Manage operational human resource policies	Singapore Institute Of Retail Studies (SIRS)
			MC3: Decision Analysis	Temasek Polytechnic
Process Improvement	Continuous Improvement Management	5	MC4: Systems Thinking & Methods	Temasek Polytechnic
			MC5: Organisational Management	Temasek Polytechnic
Process Improvement	Systems Engineering Thinking	5	Fundamental of Rail Engineering Systems (FRES) (For in-service professional in the Rail Sector)	Singapore Rail Academy (SGRA), Land Transport Authority
Stakeholders and Customer Management	Stakeholder Management	4	BHB2802 Career & Professional Development II	Singapore Institute of Technology
Technology Management	Internet of Things Application	4	Enabling Technology for IoT - III	SMU Academy
Technology Management	Technology Application	3	Contribute to Innovation	Capelle Academy Pte Ltd
			Innovation : Turning Ideas into Gold (Project)	Everest Innovation Pte Ltd
Workplace Safety and Health	Workplace Facilities Safety Management	4	Risk Assessment and Management	Singapore University Of Social Sciences
			Modular Certificate in Workplace Safety and Health Management	Institute of Technical Education
			Safety Management and Audit	Singapore University Of Social Sciences
Workplace Safety and Health	Workplace Safety and Health for Incident and Accident Investigation	4	Accident and Incident Investigation	Singapore University Of Social Sciences

For Generic Skills and Competencies (GSCs) programme listing, please refer to Section (v) (c) - View the Training Programme for Generic Skills and Competencies (GSCs). To access the section, click this [link](#)