

Skills Framework for Public Transport

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

Bus Fleet Engineering (Bus Engineering)

Job Role:
Engineer

Full Qualification Programmes	Providers
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Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Automotive Maintenance	Bus Air-Conditioning Systems Maintenance	4	Automotive Electric & Sensor Technology	Ngee Ann Polytechnic
Automotive Maintenance	Bus Brake Systems Maintenance	4	Automotive Powertrain & Chassis Technology	Ngee Ann Polytechnic
			Automotive Powertrain & Chassis Technology	Ngee Ann Polytechnic
			SGNDT (ISO 9712) Level II for Magnetic Particle Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Penetrant Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Ultrasonic Testing	Singapore Institute of Technology
Automotive Maintenance	Bus Drivetrain Systems Maintenance	4	Automotive Powertrain & Chassis Technology	Ngee Ann Polytechnic
			SGNDT (ISO 9712) Level II for Magnetic Particle Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Penetrant Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Ultrasonic Testing	Singapore Institute of Technology
Automotive Maintenance	Bus Electrical and Electronic Systems Maintenance	4	Automotive Electric & Sensor Technology	Ngee Ann Polytechnic
Automotive Maintenance	Bus Engine System Maintenance	4	SGNDT (ISO 9712) Level II for Magnetic Particle Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Penetrant Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Ultrasonic Testing	Singapore Institute of Technology
Automotive Maintenance	Bus Steering and Suspension Systems Maintenance	4	Automotive Powertrain & Chassis Technology	Ngee Ann Polytechnic
			SGNDT (ISO 9712) Level II for Magnetic Particle Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Penetrant Testing	Singapore Institute of Technology
			SGNDT (ISO 9712) Level II for Ultrasonic Testing	Singapore Institute of Technology
Business Management	Change Management	4	Risk Assessment and Management	Singapore University Of Social Sciences
Business Management	Data and Statistical Analytics	4	NICF - Customer Analytics	Institute of Systems Science, NUS
			NICF - Statistical Thinking for Data Science and Analytics	Lithan Academy Pte Ltd
			NICF-Business Analytics for CIOs and Senior Managers	NUS School of Computing
Business Management	Project Management	4	Intermediate Requirements Engineering	Singapore Institute of Technology
			Plan and Manage Project Management	Singapore Polytechnic
			Principles of Project Management	Singapore University Of Social Sciences
Business Management	Innovation Management	4	Champion and Facilitate Innovation	Capelle Academy Pte Ltd
			Innovation : Turning Ideas into Gold (Project)	Everest Innovation Pte Ltd
			WSQ Manage Innovation in the Business Function	Singapore Media Academy Pte Ltd
			Manage Innovation in the Business Function	Singapore National Employers Federation
Maintenance Management	Condition-based Assets Monitoring Management	3	Facility Management Using ARCHIBUS Asset Building Operations Management	Singapore Institute of Technology
Maintenance Management	Engineering Maintenance Management	4	Facility Management Using ARCHIBUS Asset Building Operations Management	Singapore Institute of Technology
Process Improvement	Continuous Improvement Management	4	Quality Assurance & Quality Control	Ngee Ann Polytechnic
			Safety Management and Audit	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
Process Improvement	Systems Engineering Thinking	4	Foundations of Systems Engineering	Singapore Institute of Technology
			Cognitive Systems Engineering	Singapore University Of Social Sciences
			IMPACT: Advanced Problem Solving and 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 and Decision Making	Singapore National Employers Federation
			Apply Systems Thinking in Problem Solving and Decision Making	SSA Consulting Group Pte. Ltd.
			Apply Systems Thinking in Problem Solving and Decision Making	Training Vision Institute Pte. Ltd.
Supply Chain Management	Inventory Management	3	Manage Inventory	INTEGRATED TRAINING CONSULTANTS PTE. LTD.
			Manage Inventory	INTEGRATED TRAINING CONSULTANTS PTE. LTD.
			Manage Inventory	ST ELECTRONICS (E-SERVICES) PTE. LTD.
			Manage Inventory	TRAINING MASTERS WORKFORCE INSTITUTE PTE LTD
			Manage Inventory	U-TRAINING CENTRE PTE. LTD.
Technology	Internet of Things Application	2	Sensors Systems Design for IoT	Institute of System Science (ISS), NUS
			Introduction to GIS and its Applications	Nanyang Polytechnic

Management	Internet of Things Application	2	Enabling Technology for IoT - II Building an Internet-of-Things Project	SMU Academy PACE Academy, Singapore Polytechnic
Technology Management	Robotics and Automation Application	3	Basic Microcontroller Programming (AMS SBMCs) Communication and Vision Systems (AMS SBMCs) Computer Programming (AMS SBMCs) Industrial Automation (AMS SBMCs) Industrial Drive Systems (AMS SBMCs) Microcontroller Interfacing and Applications (AMS SBMCs) Unmanned Systems (AMS SBMCs) Embedded Control Systems: Theory and Practice Introduction To Robotics Fundamentals Robot Operating System: An Introduction	Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Ngee Ann Polytechnic Singapore Institute of Technology Singapore Institute of Technology Singapore Institute of Technology
Technology Management	Technology Application	2	Emerging Products in Automotive Industry	Singapore Institute of Technology
Workplace Safety and Health	Work at Heights	3	Managing Work-at-Height Managing Work-at-Height	NTUC Learning Hub Singapore Safety Training Centre
Workplace Safety and Health	Workplace Facilities Safety Management	3	Supervise Workplace Safety and Health Practices Modular Certificate in Workplace Safety and Health Management Supervise Workplace Safety and Health Practices	AVANTA GLOBAL PTE. LTD. Institute of Technical Education INTEGRATED TRAINING CONSULTANTS PTE. LTD.

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