

## Skills Framework for Public Transport

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

Rail Engineering (Signal and Communications)

Job Role:

Chief Engineer/Senior Engineering Manager (Signal and Communications)

| Full Qualification Programmes | Providers |
|-------------------------------|-----------|
| -                             | -         |

| 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                     | 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                     | Change Management                      | 5                 | Leading Organisational Change  | Singapore Institute of Management (SIM)                 |
| 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                     | Strategy Planning                      | 5                 | Leading Strategy into Action (LSIA)  | ODE Consulting Pte Ltd                                  |
|   |  |                   | NICF-Business Analytics for CIOs and Senior Managers   | NUS School of Computing                                 |
| 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                   |
| People Management                       | Manpower Planning and Deployment       | 4                 | Manage operational human resource policies   | Singapore Institute Of Retail Studies (SIRS)            |
|   |  |                   | MC3: Decision Analysis   | Temasek Polytechnic                                     |
| Maintenance Management                  | Engineering Maintenance Management     | 5                 | Fundamental of Rail Engineering Systems (FRES) (For in-service professional in the Rail Sector)            | Singapore Rail Academy (SGRA), Land Transport Authority |
| 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 |
| Shareholder and Customer Manage         | 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                 |

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](#)