

## Skills Framework for Precision Engineering

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

### Management

**Job Role:**  
Manufacturing Manager/Operations Manager/Production Manager

Full Qualification Programme	Provider
Bachelor of Engineering (Mechanical Engineering) - Part-time	Nanyang Technological University
Graduate Certificate in Precision and Advanced Manufacturing	
Specialist Certificate in Manufacturing Engineering	

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Business and Organisational Management	Business Innovation	Level 4	Essentials of Health Informatics (EHI)	Gateway Consulting Pte Ltd
			AMIA 10x10 Certificate	
			NICF - Design Thinking in Service Systems - Design	Institute of Systems Science, National University of Singapore
			NICF - Digital User Experience Design	
			NICF - Service Design Methods	
			Introduction to Health Informatics	National University of Singapore, Centre for Health Informatics
			Mini-HI (Health Informatician)	
			Global Wealth Management Operations and Technology	Financial IT Academy@SMU (FITA)
			Corporate Banking Operations and Technology: Cash Management	
			Financial Markets Operations and Technology	
			Retail Banking Operations and Technology: Channels And Services	
			Retail Banking Operations and Technology: Core Banking	
			Retail Banking Operations and Technology	
			Corporate Banking Operations and Technology	
			Corporate Banking Operations and Technology: Trade Finance	
Financial Markets Operations and Technology: Clearing and Settlement				
Corporate Banking Operations and Technology: Corporate Lending				
Business and Organisational Management	Organisational Analysis	Level 5	WSQ Implement Action Plan Using OmniMethodology (SF)	Singapore Institute of Manufacturing Technology
			WSQ Improve Operations Action Plan using WSQ OmniMethodology (SF)	
			WSQ Operations Management Innovation Lean Improvement Towards Excellence (OMNI-LITE) (SF)	
Manufacturing and Operations	Manufacturing Process Management	Level 5	WSQ Implement OEE for Productivity Improvement (SF)	Singapore Institute of Manufacturing Technology
			WSQ Improve Machining Productivity through Dynamics Analysis and Simulation Programme (SF)	
			WSQ Manage Manufacturing Execution System (MES) (SF)	
Production Management	Production Planning	Level 4	WSQ Apply Operations Improvement Fundamentals (SF)	Singapore Institute of Manufacturing Technology
Productivity and Innovation	Continuous Process Improvement	Level 5	WSQ Improve Productivity through RFID-enabled Workflows Innovation Framework (SF)	Singapore Institute of Manufacturing Technology
			WSQ Review Welding Operation and Quality Control (SF)	

Value Engineering	Carbon Footprint Management	Level 5	WSQ Apply Carbon Footprint Assessment Methodology (SF)	Singapore Institute of Manufacturing Technology
	Lean Manufacturing	Level 5	WSQ Implementation of Fundamental Lean at workplace	
	Sustainable Manufacturing	Level 5	WSQ Improve Manufacturing Productivity through Energy Usage Pattern Monitoring and Analysis (SF)	
Workplace Safety and Health Management	Emergency Response Management	Level 4	Process Safety Series Workshops	Singapore Institute of Technology

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