

## Skills Framework for Precision Engineering

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

### Technical and Engineering

Job Role:  
Senior Machinist/Senior Technician

Full Qualification Programme	Provider
WSQ Diploma in Precision Engineering (Master Craftsman Skills)	Nanyang Polytechnic
Diploma in Engineering (Mechanical)	Ngee Ann Polytechnic

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Automation Management	Automated Operation Monitoring	Level 2	WSQ Operate Programmable Logic Controller	FESTO Private Limited
	Automated System Design	Level 2	WSQ Implement Programming of a Programmable Logic Controller WSQ Programming a Programmable Logic Controller (PLC)	FESTO Private Limited
Engineering and Manufacturing Fundamentals	Hydraulic Systems Management	Level 2	WSQ Maintain and Repair Hydraulic Systems	FESTO Private Limited
	Pneumatic Systems Management	Level 2	WSQ TPM of Pneumatic Systems	FESTO Private Limited
Manufacturing and Operations	Production Line Set-Up	Level 2	WSQ Design Electric Drives and Electromechanical Systems	FESTO Private Limited
Precision Manufacturing Process	Non-destructive Testing	Level 3	Non-Destructive Testing (NDT) Workshops	Singapore Institute of Technology
			WSQ Perform Dye/Liquid Penetrant Testing	CuTech Quality Solutions Pte. Ltd.
			WSQ Perform Magnetic Particle Testing-Level 2	
Productivity and Innovation	Continuous Process Improvement	Level 2	WSQ - Apply Continuous Process Improvement Techniques - SF	SIA Engineering Training Centre
System Integration	Embedded Systems Integration	Level 2	WSQ Operate Electrical Sensors	FESTO Private Limited
Workplace Safety and Health Management	Workplace Safety and Health Practice	Level 3	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.