

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

Manufacturing

Occupation:
Process Technician (Engine Build / Machining / Quality Control / Non Destructive Testing (Level 1)

Full Qualification Programme	Provider
Diploma in Engineering (Aerospace Manufacturing) Precision Engineering Master Craftsman (PeMC)	NANYANG POLYTECHNIC

Skill Category	Modular Programme	Provider	
Technical and Engineering Fundamentals	Interpret Technical Drawings & Blueprints	INSTITUTE OF TECHNICAL EDUCATION	
		SINGAPORE PRECISION ENGINEERING AND TOOLING ASSOCIATION	
Maintenance	Perform General Engine Workshop Practice	AVIATIONLEARN PTE. LTD.	
		TEMASEK POLYTECHNIC	
		AIR TRANSPORT TRAINING COLLEGE PTE LTD	
		SIA ENGINEERING COMPANY LIMITED	
Operations Production	Use Hand Tools	NTUC LEARNINGHUB PTE. LTD.	
		ST ELECTRONICS (E-SERVICES) PTE. LTD.	
		ELECTRONICS INDUSTRIES TRAINING CENTRE	
		SINGAPORE NATIONAL EMPLOYERS FEDERATION	
		SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.	
		SSA CONSULTING GROUP PTE. LTD.	
		AIR TRANSPORT TRAINING COLLEGE PTE LTD	
		TEMASEK POLYTECHNIC	
		SINGAPORE MANUFACTURING FEDERATION	
		INSTITUTE OF TECHNICAL EDUCATION	
SIA ENGINEERING COMPANY LIMITED			
Manufacturing Processes	Handle, Inspect and Pack Engines & Components	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED	
	Rig & De-rig Engine for Test	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED	
	Apply New Engine Build Process	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED	
	Perform Aerospace Surface Coating	INSTITUTE OF TECHNICAL EDUCATION	
	Perform Aerospace Material Hot Processing	INSTITUTE OF TECHNICAL EDUCATION	
	Perform Aerospace Surface Preparation and Finishing	INSTITUTE OF TECHNICAL EDUCATION	
	Perform EDM-CNC Wire Cut Machine Operations	INSTITUTE OF TECHNICAL EDUCATION	
	Perform CNC milling and Programming	SINGAPORE PRECISION ENGINEERING AND TOOLING ASSOCIATION DMG MORI SINGAPORE PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION	
	Perform CNC Turning and Programming	DMG MORI SINGAPORE PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION	
Maintenance	Perform Electrical Terminations and Connections	TEMASEK POLYTECHNIC SINGAPORE POLYTECHNIC AIR TRANSPORT TRAINING COLLEGE PTE LTD SIA ENGINEERING COMPANY LIMITED	
	Perform Electrical Measurements	AIR TRANSPORT TRAINING COLLEGE PTE LTD TEMASEK POLYTECHNIC SINGAPORE POLYTECHNIC SIA ENGINEERING COMPANY LIMITED	
	Specialised Processes	Perform Diffusion Bonding of Aerospace Materials	INSTITUTE OF TECHNICAL EDUCATION
		Perform Advanced Gas Tungsten Arc Welding	INSTITUTE OF TECHNICAL EDUCATION
		Perform Non-Destructive Testing	INSTITUTE OF TECHNICAL EDUCATION
			NTUC LEARNINGHUB PTE. LTD. ST ELECTRONICS (E-SERVICES) PTE. LTD. AIR TRANSPORT TRAINING COLLEGE PTE LTD ELECTRONICS INDUSTRIES TRAINING CENTRE SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.

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Operations Production	Operate Basic Measuring Devices	SSA CONSULTING GROUP PTE. LTD. TEMASEK POLYTECHNIC SINGAPORE MANUFACTURING FEDERATION INSTITUTE OF TECHNICAL EDUCATION SINGAPORE NATIONAL EMPLOYERS FEDERATION SIA ENGINEERING COMPANY LIMITED
	Set-up and Operate Coordinate Measuring Machine	CARL ZEISS PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION
Quality	Perform Geometrical Tolerancing and Inspection	INSTITUTE OF TECHNICAL EDUCATION
	Apply Quality Systems	AIR TRANSPORT TRAINING COLLEGE PTE LTD TEXTILE AND FASHION INDUSTRY TRAINING CENTRE PTE LTD SINGAPORE TECHNOLOGIES MARINE LTD ELECTRONICS INDUSTRIES TRAINING CENTRE SINGAPORE NATIONAL EMPLOYERS FEDERATION MASS EDUCATION INSTITUTE PTE. LTD. TAT HONG TRAINING SERVICES PTE LTD FESTO PRIVATE LIMITED GLOBAL SCHOOL OF TECHNOLOGY & MANAGEMENT AVANTA GLOBAL PTE. LTD. EDUQUEST INTERNATIONAL INSTITUTE PTE. LTD. FLEXI INDUSTRIAL SAFETY TRAINING PTE. LTD. LEARNERS HUB PTE. LTD. PUBLIC UTILITIES BOARD SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. WONG FONG ACADEMY PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION NANYANG POLYTECHNIC PSA CORPORATION LIMITED YOKOGAWA ENGINEERING ASIA PTE LTD SSA CONSULTING GROUP PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SINGAPORE MANUFACTURING FEDERATION INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI SP CONSULTING (INTERNATIONAL) PTE LTD KAPLAN PROFESSIONAL SIA ENGINEERING COMPANY LIMITED SFIC INSTITUTE PTE. LTD.
Productivity and Innovation	Apply LEAN Thinking in the Workplace	NEVILLE-CLARKE (SINGAPORE) PTE LIMITED TAT HONG TRAINING SERVICES PTE LTD SIA ENGINEERING COMPANY LIMITED
	Apply Basic Lean Techniques In The Workplace	NEVILLE-CLARKE (SINGAPORE) PTE LIMITED TAT HONG TRAINING SERVICES PTE LTD SIA ENGINEERING COMPANY LIMITED
	Apply Continuous Process Improvement Techniques	SINGAPORE NATIONAL EMPLOYERS FEDERATION SINGAPORE POLYTECHNIC SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. TAT HONG TRAINING SERVICES PTE LTD TEMASEK POLYTECHNIC PETROFAC TRAINING INSTITUTE PTE. LTD. INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI ELECTRONICS INDUSTRIES TRAINING CENTRE

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		NANYANG POLYTECHNIC SINGAPORE MANUFACTURING FEDERATION SSA CONSULTING GROUP PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SIA ENGINEERING COMPANY LIMITED
Planning and Implementation	Display Critical Thinking and Analytical Skills	KAPLAN PROFESSIONAL CAPELLE ACADEMY PTE. LTD. INSTITUTE OF SINGAPORE CHARTERED ACCOUNTANTS SINGAPORE NATIONAL EMPLOYERS FEDERATION AUSTON INSTITUTE OF MANAGEMENT PTE. LTD.
Workplace Safety and Health	Apply workplace safety and health practices	PETROFAC TRAINING INSTITUTE PTE. LTD. FOCUS LEARNING CENTRE PTE. LTD. SP TRAINING AND CONSULTANCY COMPANY PTE. LTD. INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI NANYANG POLYTECHNIC YOKOGAWA ENGINEERING ASIA PTE LTD SP GLOBAL SOLUTIONS PTE. LTD. SINGAPORE POLYTECHNIC
	Perform Basic Safety Practices and Documentation	TEMASEK POLYTECHNIC SINGAPORE POLYTECHNIC MIL-COM AEROSPACE PTE LTD AVIATIONLEARN PTE. LTD. SIA ENGINEERING COMPANY LIMITED AIR TRANSPORT TRAINING COLLEGE PTE LTD
People Management and Development	Develop Personal Effectiveness at Operations Level	MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. CAPELLE ACADEMY PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION COMAT TRAINING SERVICES PTE LTD EBEN CONSULTANTS (FAR EAST) PTE LTD IMAGE INSTITUTE OF LEARNING AND DEVELOPMENT PTE. LTD. LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. TRILLION TRAINING (S) PTE LTD KAPLAN PROFESSIONAL NATC INSTITUTE PTE. LTD. INTEGRATED LEARNING SYSTEMS PTE LTD CIVIL SERVICE COLLEGE IMAGE INTERNATIONAL (S) PTE. LTD. WEALTH HUB PTE. LTD. EAGLE INFOTECH CONSULTANTS PTE LTD
	Maintain Personal Presentation and Employability at Operations Level	KAPLAN PROFESSIONAL MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. AGB EDUCATION CENTRE PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD.
	Apply Emotional Competence to Manage Self at the	LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. NTUC LEARNINGHUB PTE. LTD.

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	Workplace	SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL EAGLE INFOTECH CONSULTANTS PTE LTD		
	Adapt to Change	EBEN CONSULTANTS (FAR EAST) PTE LTD MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL INTEGRATED LEARNING SYSTEMS PTE LTD CIVIL SERVICE COLLEGE EAGLE INFOTECH CONSULTANTS PTE LTD		
		Lead Workplace Communication and Engagement	IMAGE INSTITUTE OF LEARNING AND DEVELOPMENT PTE. LTD. SINGAPORE INSTITUTE OF MANAGEMENT (SIM) KAPLAN PROFESSIONAL TRAINING VISION INSTITUTE PTE. LTD. EBEN CONSULTANTS (FAR EAST) PTE LTD INSTITUTE OF SINGAPORE CHARTERED ACCOUNTANTS NGEE ANN POLYTECHNIC SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. NTUC LEARNINGHUB PTE. LTD. CAPELLE ACADEMY PTE. LTD. SINGAPORE POLYTECHNIC THE SINGAPORE CONTRACTORS ASSOCIATION LIMITED SINGAPORE INSTITUTION OF SAFETY OFFICERS (SISO) BUILDING AND CONSTRUCTION AUTHORITY	
			Develop a Work Team	ROHEI CORPORATION PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SINGAPORE INSTITUTE OF MANAGEMENT (SIM) KAPLAN PROFESSIONAL CAPELLE ACADEMY PTE. LTD.