

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

Manufacturing

Occupation:
Senior Manufacturing Engineer / Senior Production Engineer

Full Qualification Programme	Provider
	N/A

Skill Category	Modular Programme	Provider
Manufacturing Processes	Apply Advanced Materials Technology	NANYANG POLYTECHNIC
	3D Printing for Rapid Product Development	SINGAPORE CENTRE FOR 3D PRINTING
		NANYANG POLYTECHNIC
		NANYANG TECHNOLOGICAL UNIVERSITY, CENTRE FOR CONTINUING EDUCATION
	Apply Advanced Manufacturing Technology and Process	NANYANG POLYTECHNIC
	Develop Mechanical Fixture Design	NANYANG POLYTECHNIC
	Manage Process Optimisation & Cutting Technologies	NANYANG POLYTECHNIC
	Manage Solid Modelling and Drafting for Machine Parts	NANYANG POLYTECHNIC
	Manage Engineering Project (CAM and CNC Machining)	NANYANG POLYTECHNIC
	Apply Computer Integrated Manufacturing (CIM) System	SINGAPORE POLYTECHNIC
	Manage Computer-Aided Manufacturing (CAM) Techniques	NANYANG POLYTECHNIC
	Manage Advanced CNC Machining	NANYANG POLYTECHNIC
	Assembly of Mechanical Machines	SINGAPORE POLYTECHNIC
Manage Advanced Tool-Room Machining	NANYANG POLYTECHNIC	
Technical and Engineering Fundamentals	Apply Mechanics in Design Solutions	NANYANG POLYTECHNIC
	Manage Computer-Aided Design (CAD) Techniques	NANYANG POLYTECHNIC
	Apply Mathematical Concepts in Engineering Solutions	NANYANG POLYTECHNIC
	Apply Robotics Fundamentals	SINGAPORE POLYTECHNIC
	Apply Principles of Electrical Fundamentals (Advanced)	SIA ENGINEERING COMPANY LIMITED
	Select Aerospace Materials and Hardware (Advanced)	SIA ENGINEERING COMPANY LIMITED
Perform Aerospace Maintenance Practices (Advanced)	SIA ENGINEERING COMPANY LIMITED	
Quality	Manage Advanced Metrology and Quality Assurance	NANYANG POLYTECHNIC
Productivity and Innovation	Apply Failure Mode Effect and Analysis (FMEA)	SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.
		LEARNERS HUB PTE. LTD.
		NEVILLE-CLARKE (SINGAPORE) PTE LIMITED
		NTUC LEARNINGHUB PTE. LTD.
	Implement Lean Six Sigma	LEARNERS HUB PTE. LTD.
		NEVILLE-CLARKE (SINGAPORE) PTE LIMITED
		SERVICE QUALITY CENTRE PTE. LTD.
		SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.
		TRAINING VISION INSTITUTE PTE. LTD.
		SSA CONSULTING GROUP PTE. LTD.
		SINGAPORE NATIONAL EMPLOYERS FEDERATION
		SINGAPORE MANUFACTURING FEDERATION
	KAPLAN PROFESSIONAL	
EVEREST INNOVATION PTE. LTD.		
Manage Productivity Improvement to Achieve Business Objectives	SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.	
	ASCENDO CONSULTING PTE. LTD.	
	ELECTRONICS INDUSTRIES TRAINING CENTRE	
	INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI	
	LEARNERS HUB PTE. LTD.	
	SERVICE QUALITY CENTRE PTE. LTD.	
	SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.	
SSA CONSULTING GROUP PTE. LTD.		

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	Manage Process Improvement	TRAINING VISION INSTITUTE PTE. LTD. CAPELLE ACADEMY PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SUPPLY CHAIN & LOGISTICS ACADEMY PTE. LTD. SUPPLY CHAIN ASIA COMMUNITY LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SINGAPORE MANUFACTURING FEDERATION KAPLAN PROFESSIONAL ASCENDO CONSULTING PTE. LTD. TEMASEK POLYTECHNIC
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.
Project Management	Apply Project Management Skills	INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI LEARNERS HUB PTE. LTD. SINGAPORE MANUFACTURING FEDERATION SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. SUPPLY CHAIN & LOGISTICS ACADEMY PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SUPPLY CHAIN ASIA COMMUNITY LTD. NTUC LEARNINGHUB PTE. LTD. ELECTRONICS INDUSTRIES TRAINING CENTRE PUBLIC UTILITIES BOARD TEMASEK POLYTECHNIC SINGAPORE NATIONAL EMPLOYERS FEDERATION
Planning and Implementation	Develop and Drive Organisational Vision, Mission and Values	INSTITUTE OF SYSTEMS SCIENCE NATIONAL UNIVERSITY OF SINGAPORE ODE CONSULTING PTE. LTD.
Project Management	Apply Project Management Skills	INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI LEARNERS HUB PTE. LTD. SINGAPORE MANUFACTURING FEDERATION SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. SUPPLY CHAIN & LOGISTICS ACADEMY PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SUPPLY CHAIN ASIA COMMUNITY LTD. NTUC LEARNINGHUB PTE. LTD. ELECTRONICS INDUSTRIES TRAINING CENTRE PUBLIC UTILITIES BOARD TEMASEK POLYTECHNIC SINGAPORE NATIONAL EMPLOYERS FEDERATION
	Manage Project Team	KAPLAN PROFESSIONAL BOCA PERFORMANCE IMPROVEMENT ASIA PTE. LTD. TOURISM MANAGEMENT INSTITUTE OF SINGAPORE PTE LTD
	Manage Project Stakeholder Relations	BOCA PERFORMANCE IMPROVEMENT ASIA PTE. LTD.
	Manage Project Procurement	BOCA PERFORMANCE IMPROVEMENT ASIA PTE. LTD.
	Manage Project Timeline	CAPELLE ACADEMY PTE. LTD.
Leadership	Lead Organisation to Develop Organisational Strategic Priorities, Culture and Governance	NATIONAL UNIVERSITY OF SINGAPORE SINGAPORE NATIONAL EMPLOYERS FEDERATION ODE CONSULTING PTE. LTD.

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Human Resource	Appraise/Evaluate Staff	ASIAN CULINARY INSTITUTE OF SINGAPORE SINGAPORE SPA INSTITUTE PTE. LTD. SHATEC INSTITUTES PTE. LTD.			
	Develop On-the-job Training Programme	INSTITUTE FOR ADULT LEARNING (IAL)			
	Develop and Review Competency-based Assessment	INSTITUTE FOR ADULT LEARNING (IAL) SINGAPORE POLYTECHNIC			
People and Relationship Management	Establish Organisational Relationships and Lead Organisational Diversity	CAPELLE ACADEMY PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION			
	Develop Personal Effectiveness at Managerial Level	SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL SINGAPORE INSTITUTE OF MANAGEMENT (SIM) CAPELLE ACADEMY PTE. LTD.			
		People Management and Development	Develop Personal Effectiveness at Managerial Level	SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL SINGAPORE INSTITUTE OF MANAGEMENT (SIM) CAPELLE ACADEMY PTE. LTD.	
				Manage Workplace Challenges with Resilience	KAPLAN PROFESSIONAL SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. ROHEI CORPORATION PTE. LTD.