

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

Manufacturing

Occupation:
Operations Manager / Manufacturing Manager / Production Manager

| Full Qualification Programme | Provider |
|------------------------------|----------|
| N/A | |

| Skill Category | Modular Programme | Provider |
|--|---|---|
| Manufacturing Processes | Enhance Control Performance of Precision Machines to Satisfy Manufacturing Requirements | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | 3D Printing for Rapid Product Development | SINGAPORE CENTRE FOR 3D PRINTING NANYANG TECHNOLOGICAL UNIVERSITY CENTRE FOR CONTINUING EDUCATION |
| Sustainable Manufacturing | Establish Carbon Footprint Assessment Methodology | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | Analyse Organisation's Carbon Footprint | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| Technical and Engineering Fundamentals | Design and Analyse for Machine Vibration | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | Design Human-Machine Interface and Supervisory Control | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | Apply Materials Characterisation | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | 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 |
| Operations Planning | Manage Manufacturing Execution System | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| Quality | Tolerance and Stack Up Analysis in Mechanical Design | NANYANG TECHNOLOGICAL UNIVERSITY, CENTRE FOR CONTINUING EDUCATION |
| | Manage Quality System and Processes | 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. |
| | | TRAINING VISION INSTITUTE PTE. LTD. |
| | | SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT |
| | | ELECTRONICS INDUSTRIES TRAINING CENTRE |
| | | SINGAPORE MANUFACTURING FEDERATION |
| CAPELLE ACADEMY PTE. LTD. | | |
| KAPLAN PROFESSIONAL | | |
| NTUC LEARNINGHUB PTE. LTD. | | |
| TEMASEK POLYTECHNIC | | |
| Productivity and Innovation | Implement OEE for Productivity Improvement | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| | 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. | |

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| | Manage Process Improvement | SERVICE QUALITY CENTRE PTE. LTD. SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. SSA CONSULTING GROUP PTE. LTD. 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 | 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 |
| Planning and Implementation | Develop and Drive Organisational Vision, Mission and Values | INSTITUTE OF SYSTEMS SCIENCE NATIONAL UNIVERSITY OF SINGAPORE ODE CONSULTING PTE. LTD. |
| Innovation | Lead and be Accountable for Innovation within the Organisation | NATIONAL UNIVERSITY OF SINGAPORE |
| Leadership | Lead Organisation to Develop Organisational Strategic Priorities, Culture and Governance | NATIONAL UNIVERSITY OF SINGAPORE SINGAPORE NATIONAL EMPLOYERS FEDERATION ODE CONSULTING PTE. LTD. |
| Human Resource | Appraise/Evaluate Staff | WILLIAM ANGLISS INSTITUTE PTE. LTD. IFI ACADEMY PTE. LTD. TEMASEK POLYTECHNIC ASIAN CULINARY INSTITUTE OF SINGAPORE SINGAPORE SPA INSTITUTE PTE. LTD. SHATEC INSTITUTES PTE. LTD. |
| People and Relationship Management | 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. |
| | 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. |
| | | SINGAPORE NATIONAL EMPLOYERS FEDERATION |

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| Develop People | Lead Organisational Succession Planning, Capability Development and Employee Engagement | HUMAN CAPITAL (SINGAPORE) PTE. LTD. |
| | | NATIONAL UNIVERSITY OF SINGAPORE |
| Business Analytics | Leverage on Data Mining Techniques for Manufacturing Excellence | SINGAPORE INSTITUTE OF MANUFACTURING TECHNOLOGY |
| Achieve Results | Monitor Organisational Performance and Develop Strategies to Reward Performance to Facilitate Achievement of Results | SINGAPORE NATIONAL EMPLOYERS FEDERATION |
| | | NATIONAL UNIVERSITY OF SINGAPORE |