

Skills Framework for Biopharmaceuticals Manufacturing

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

Production

Job Role: Production Engineer/Biotechnologist	
Full Qualification Programme	Provider
Advanced Diploma in Medical and Pharmaceutical Technology	Ngee Ann Polytechnic
Post-Diploma Certificate in Biopharmaceutical Manufacturing	
Post-Diploma Certificate in Cell and Molecular Biology	
Post-Diploma Certificate in Microbiological and Pharmaceutical Analyses	
Post-Diploma Certificate in Pharmaceutical Quality System	
Development & Apprenticeship Programme: DNA (Biologics) and DNA (Pharmaceuticals)	Singapore Polytechnic
Local Biologics Skills Training Programme (WSQ Higher Cert in Process Manufacturing – Biologics)	

Technical Skills and Competencies (TSC)			Modular Programmes	Providers
Category	Title	Proficiency Level		
Health, Safety and Environment	Biorisk Management	3	Follow Good Biosafety Practices	Ngee Ann Polytechnic
			Singapore Polytechnic	
			Ted Traum Institute	
			World Biohaztec Pte Ltd	
Production	Chromatography Equipment Operation and Control	4	Optimise Chromatography Purification Processes	Merck Pte Ltd
	Filtration Equipment Operation and Control	4	Optimise Tangential Flow Filtration (TFF) Processes	Merck Pte Ltd
	Flexible Facilities Implementation	3	Operate Single-Use Technologies	Merck Pte Ltd Temasek Polytechnic

Generic Skills and Competencies (GSC)		Modular Programmes	Providers
Title	Proficiency Level		
		Facilitate Effective Communication and Engagement at the Workplace	Absolute Kinetics Consultancy Pte Ltd
		Develop Self	Bootstrap Pte Ltd
		People Leadership Program	Capelle Academy Pte Ltd
		Leading through People	Capelle Academy Pte Ltd
		Manage Self	Charles Mann Training and Consultancy Pte Ltd
		Facilitate Effective Communication and Engagement at the Workplace	Comat Training Services Pte Ltd
		Lead Workplace Communication and Engagement	Eben Consultants (Far East) Pte Ltd
		Facilitate Effective Communication and Engagement at the Workplace	E-Square Communication and Management Training Consultancy
		Decision Making & Self Mastery	Everest Innovation Pte Ltd
		Be an Achiever: Manage Self	Image Institute of Learning and Development Pte Ltd
		ES WSQ Effective Interactive and Relationship Management (Supervisory)	Integrated Learning Systems Pte Ltd
		ES-IP-301G-1 Facilitate Effective Communication & Engagement at the Workplace	Kaplan Professional
		ES-IP-401G-1 Lead Workplace Communication and Engagement	Kaplan Professional
		Manage Self	Kaplan Professional
		Develop Self	Kaplan Professional

Communication	Intermediate	Facilitate Effective Communication and Engagement at the Workplace	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Manage Self	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Develop Self	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Nanyang Polytechnic		
		Facilitate Effective Communication and Engagement at the Workplace	Ngee Ann Polytechnic		
		Lead Workplace Communication and Engagement	Ngee Ann Polytechnic		
		Facilitate Effective Communication and Engagement at the Workplace (ES-IP-301G-1)	NTUC LearningHub Pte Ltd		
		Lead Workplace Communication and Engagement (ES-IP-401G-1)	NTUC LearningHub Pte Ltd		
		Manage Self	NTUC LearningHub Pte Ltd		
		Develop Self powered by John Maxwell	NTUC LearningHub Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	PSB Corporation Pte Ltd		
		Manage Self	Raffles Skills Lab International Training Centre Pte Ltd		
		Manage Self	SeraphCorp Institute Pte Ltd		
		Develop Self	SeraphCorp Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Service Quality Centre Pte Ltd		
		Lead Workplace Communication and Engagement	Service Quality Centre Pte Ltd		
		Manage Self	Singapore Chinese Chamber Institute of Business		
		Develop Self	Singapore Chinese Chamber Institute of Business		
		Developing Self Effectiveness for Business Performance	Singapore Institute of Management		
		The Facilitative Leader of Self-Managed Teams	Singapore National Employers Federation		
		Creative Leadership and Self Development Skills	Singapore National Employers Federation		
		Facilitate Effective Communication and Engagement at the Workplace	The National University of Singapore Society		
		Develop Self to Maintain Professional Competence at Managerial Level	Training Masters Workforce Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Training Vision Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace (Contextualised)	Training Vision Institute Pte Ltd		
		Lead Workplace Communication and Engagement (Contextualised)	Training Vision Institute Pte Ltd		
		Lead workplace communication and engagement	Training Vision Institute Pte Ltd		
		Facilitate Effective Communication and Engagement at the Workplace	Trillion Training (S) Pte Ltd		
		Lead Workplace Communication and Engagement	Trust Management Centre		
		Decision Making	Intermediate	Develop Self	Bootstrap Pte Ltd
				Leading through People	Capelle Academy Pte Ltd
				Develop Self	Kaplan Professional
Develop Self	Mendaki Social Enterprise Network Singapore Pte Ltd				
Develop Self powered by John Maxwell	NTUC LearningHub Pte Ltd				
Develop Self	SeraphCorp Institute Pte Ltd				
Develop Self	Singapore Chinese Chamber Institute of Business				
Developing Self Effectiveness for Business Performance	Singapore Institute of Management				
Creative Leadership and Self Development Skills	Singapore National Employers Federation				
		Cultivate Workplace Relationships	Alue Singapore Pte Ltd		
		Emotional Intelligence: The Cutting Edge of Leadership	Capelle Academy Pte Ltd		
		Enhancing Team Effectiveness	Capelle Academy Pte Ltd		
		GROUP Excellence	Capelle Academy Pte Ltd		
		Emotional Intelligence (EQ) for Top Performance at Work for Managers & Supervisors	CEQ Asia Pte Ltd		
		Build Team Relationships	Charles Mann Training and Consultancy Pte Ltd		
		WSQ Apply Emotional Competence to Manage Self and Team	Eagle Infotech Consultants Pte Ltd		
		Bond to Excel: Cultivate Workplace Relationship	Image Institute of Learning and Development Pte Ltd		
		Build Team Relationships	Kaplan Professional		
		Cultivate Workplace Relationships	Kaplan Professional		
		Apply Emotional Competence to Manage Self and Team	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Build Team Relationships	Mendaki Social Enterprise Network Singapore Pte Ltd		
		Build Team Relationships powered by John Maxwell	NTUC LearningHub Pte Ltd		

Interpersonal Skills	Intermediate	Cultivate Workplace Relationships powered by John Maxwell	NTUC LearningHub Pte Ltd		
		Leading for Results	ODE Consulting Pte Ltd		
		Cultivate Workplace Relationships	Raffles Skills Lab International Training Centre Pte Ltd		
		WSQ Emotional Intelligence @ Work for Managers	ROHEI Corporation Pte Ltd		
		WSQ Emotional Intelligence @ Work for Managers - 16hr	ROHEI Corporation Pte Ltd		
		Advance your Influence & Communication Skills with Emotional Intelligence (Includes follow-up Group Coaching session)	ROHEI Corporation Pte Ltd		
		Advance Your Influence & Communication Skills with Emotional Intelligence	ROHEI Corporation Pte Ltd		
		Build Team Relationships	SeraphCorp Institute Pte Ltd		
		Cultivate Workplace Relationships	SeraphCorp Institute Pte Ltd		
		Build Team Relationships	Service Quality Centre Pte Ltd		
		Build Team Relationships	Singapore Chinese Chamber Institute of Business		
		Cultivate Workplace Relationships	Singapore Chinese Chamber Institute of Business		
		Mastering Personal Effectiveness and Emotional Competence	Singapore Institute of Management		
		The Job of the Manager (JOMAN): Essential Managerial Techniques	Singapore Institute of Management		
		Apply emotional competence to manage self & others in business context (SD)	Singapore Institute Of Retail Studies (SIRS)		
		Apply Emotional Competence to Manage Self and Others in a Business Context	Singapore National Employers Federation		
		Build Positive Team Relationships	Singapore National Employers Federation		
		Cultivate Workplace Relationships to Optimise Team Performance	Singapore National Employers Federation		
		Apply Emotional Competence to Manage Self and Team	SSA Consulting Group Pte Ltd		
		Apply Emotional Competence to Manage Self and Others in a Business Context	SSA Consulting Group Pte Ltd		
		Cultivate Workplace Relationships and Diversity	Training Masters Workforce Institute Pte Ltd		
		Problem Solving	Intermediate	Solve Problems & Make Decisions at Supervisory Level	Absolute Kinetics Consultancy Pte Ltd
				Solve Problems and Make Decisions at Supervisory Level	Avanta Global Pte Ltd
Solve Problems and Make Decisions at Supervisory Level	Capelle Academy Pte Ltd				
Eradicating Problems and Making Effective Decisions	Capelle Academy Pte Ltd				
Solve Problems & Make Decisions at Supervisory level	CBM Pte Ltd				
ES WSQ Solve Problems and Make Decisions at Supervisory Level (Level 3)	Civil Service College				
Solve Problems and Make Decisions at Supervisory Level	Comat Training Services Pte Ltd				
WSQ Solve Problems and Make Decisions at Supervisory Level	Eagle Infotech Consultants Pte Ltd				
Solve Problems and Make Decisions at Supervisory Level	E-Square Communication and Management Training Consultancy				
Solve Problems and Make Decisions at Supervisory Level	Ever Safe Consultants Pte Ltd				
'Effective Problem Solving and Decision Making'	Everest Innovation Pte Ltd				
Solve Problems and Make Decisions at Supervisory Level	Greensafe International Pte Ltd				
ES WSQ Systematic Problem Solving & Decision Making (Supervisory Level)	Integrated Learning Systems Pte Ltd				
Solve Problems and Make Decisions for Supervisors	Lighthouse Global Training and Consultancy Pte Ltd				
Solve Problems and Make Decisions at Supervisory Level	Mendaki Social Enterprise Network Singapore Pte Ltd				
Solve Problems and Make Decisions at Supervisory Level	Nanyang Polytechnic				
Solve Problems and Make Decisions at Managerial Level (ES-ACE-402G-1)	NTUC Learning Hub Pte Ltd				
Solve Problems and Make Decisions at Supervisory Level (ES-ACE-302G-1)	NTUC LearningHub Pte Ltd				
Solve Problems and Make Decisions at Managerial Level	Service Quality Centre Pte Ltd				
Innovative Problem Solving and Decision Making	Singapore Institute of Management				
Solve Problems and Make Decisions at Supervisory Level	Singapore National Employers Federation				
Solve Problems and Make Decisions at Managerial Level	Singapore National Employers Federation				
Solve Problems and Make Decisions at Supervisory Level	Singapore Polytechnic				
Solve Problems & Make Decisions at Supervisory Level	SSA Consulting Group Pte Ltd				
Solve Problems and Make Decisions at Managerial Level	SSA Consulting Group Pte Ltd				

		Solve Problems and Make Decisions at Supervisory Level	Trillion Training (S) Pte Ltd
		Solve Problems and Make Decisions at Supervisory Level	U-Training Centre Pte Ltd
Teamwork	Intermediate	Support Team	Bootstrap Pte Ltd
		Facilitate Effective Work Teams (ES-IP302G-1)	Cambrian Academy Pte Ltd
		Synergizing for Success	Capelle Academy Pte Ltd
		Building a Results-Oriented Team	Capelle Academy Pte Ltd
		People Leadership Program	Capelle Academy Pte Ltd
		WSQ Facilitate Effective Work Teams	Eagle Infotech Consultants Pte Ltd
		Facilitate Effective Work Teams	Image Institute of Learning and Development Pte Ltd
		One Dream - One Team: Manage Team Effectively	Image Institute of Learning and Development Pte Ltd
		Support Team	Kaplan Professional
		Lead Team	Kaplan Professional
		Lead Team	Loyal Reliance Pte Ltd
		Facilitate Effective Work Teams	Mendaki Social Enterprise Network Singapore Pte Ltd
		Support Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Lead Team	Mendaki Social Enterprise Network Singapore Pte Ltd
		Support Team powered by John Maxwell	NTUC LearningHub Pte Ltd
		Lead Team	NTUC LearningHub Pte Ltd
		Building a High Performance Team (I)	ROHEI Corporation Pte Ltd
		Art of Leadership: Influence & Manage your Team for Results	ROHEI Corporation Pte Ltd
		Support Team	SeraphCorp Institute Pte Ltd
		Lead Team	SeraphCorp Institute Pte Ltd
		Support Team	Service Quality Centre Pte Ltd
		Support Team	Singapore Chinese Chamber Institute of Business
		Lead Team	Singapore Chinese Chamber Institute of Business
		Developing and Engaging Your Team for Workplace Success	Singapore Institute of Management
		Dynamic Planning and Execution for Managers	Singapore Institute of Management
		Develop A Work Team	Singapore National Employers Federation
		Support Your Team Creatively	Singapore National Employers Federation
		Facilitate Effective Work Teams	SSA Consulting Group Pte Ltd
		Develop a Work Team	SSA Consulting Group Pte Ltd
		Lead Team Leaders to Develop Business Strategies and Governance Management	Training Masters Workforce Institute Pte Ltd
Facilitate Effective Work Teams	Trillion Training (S) Pte Ltd		