

Strategic and Skills-in-Demand List (SSL)

Industry	Occupation	Recommended Requisites
Manufacturing - Electronics and Precision Engineering	Firmware R&D Engineer	Degree/MSc in Electrical Engineering, Mechanical Engineering, Computer Science
	HDD-related R&D Engineer	
	Media Process Engineer	
	Network Storage Engineer	
	Wafer Fabrication Process Engineer	
Manufacturing - Chemicals and Biomedicals	Chemist/Process Development Chemist	Degree/MSc in Chemistry, Chemical Engineering
	Electrical Engineer/Technician	Degree/MSc in Electrical Engineering
	Environment (Water) Engineer	Degree/MSc in Environment Engineering, Civil Engineering, Electrical Engineering
	Automation/Process Engineer	Degree/MSc in Chemical, Electrical, Mechanical Engineering
	QA/QC Specialists	Degree/MSc in Chemical, Electrical, Mechanical Engineering, Life Science
Manufacturing - Aerospace and Marine & Offshore	Design Engineer	Degree/Masters in Aerospace Engineering, Aerospace Maintenance, Avionics; Degree/Masters/PhD in Marine Engineering, Offshore Engineering, Naval Architecture, Petroleum Engineering, Civil Engineering, Mechanical Engineering, Petroleum Engineering, Process Engineering, Structural Engineering, Electrical Engineering, Subsea Engineering
	Petroleum Engineer	
	Project Engineer	
	Reservoir Engineer	
	Well Engineer	
	Nano Engineer	

Industry	Occupation	Recommended Requisites
Healthcare	Clinical Audiologist	Masters in Audiology
	Dietician	Degree/Diploma in Dietetics, Food Nutrition
	Doctor	Degree in Medicine, Surgery*
	Medical Diagnostic Radiographer	Degree/Diploma in Diagnostic Radiography
	Medical/Laboratory Technologist	Degree in Medical Science; Diploma in Biotechnology, Medical Technology
	Nurse	Degree/Diploma in Nursing; NITEC in Nursing**
	Occupational Therapist	Degree/Diploma in Occupational Therapy
	Pharmacist	Degree in Pharmacy
	Physiotherapist	Degree/Diploma in Physiotherapy
	Podiatrist	Degree in Podiatry
	Radiation Therapist	Degree/Diploma in Radiation Therapy
	Respiratory Therapist	Masters/Degree in Respiratory Therapy
	Speech Therapist	Masters/Degree in Speech Pathology
	Clinical Psychologist	Masters in Clinical Psychology
	Medical Social Worker	Bachelor of Arts and Social Science (Major in Social Work)
	Dentist	Degree in Dentistry
Dental Hygiene Therapist	Diploma in Dental Hygiene and Therapy	
Pharmacy Technician	Diploma in Pharmaceutical Sciences	

* The list of approved Degrees is available at the Singapore Medical Council website (www.smc.gov.sg).

** A Degree/Diploma in Nursing recognised by the Singapore Nursing Board is required (www.snb.gov.sg).

Industry	Occupation	Recommended Requisites
Finance	Compliance Managers	Degree in Banking & Finance, Accountancy, Law, Economics, Business FICS Compliance
	Risk Management Managers	Degree in Financial Engineering, Banking & Finance, Accountancy, Mathematics, Engineering, Computer Science, Economics, Business FICS Risk Management
	Information Technology Professionals	Degree in Information Technology, Computer Science
	Product Controllers	Degree in Accountancy, Banking & Finance or equivalent CPA/ CA
	Fixed Income, Currencies and Commodities (FICC) Sales/ Traders	Degree in Accountancy, Banking & Finance, Financial Engineering, Mathematics, Engineering, Computer Science, Economics, Business
	Investment Management Professionals	Degree in Accountancy, Banking & Finance, Financial Engineering, Mathematics, Engineering, Computer Science, Economics, Business Chartered Financial Analyst (CFA)
	Project Management Professionals	Degree in Banking & Finance, Accountancy, Mathematics, Engineering, Computer Science, Economics, Business
	Research Analysts and Structurers in Shipping, Aviation, Commodities, Infrastructure Finance, Real Estate	Degree in Accountancy, Banking & Finance, Financial Engineering, Mathematics, Engineering, Computer Science, Economics, Business Chartered Financial Analyst (CFA)
	Underwriters and Actuaries in Marine Hull, Aviation, Energy, Political Risk, Terrorism and Agriculture Insurance	Degree in Actuarial Science, Accountancy, Banking & Finance, Financial Engineering, Mathematics, Engineering, Economics, Business

Industry	Occupation	Recommended Requisites
Construction	Civil/ Structural/ Bridge Engineer	Masters/Degree/Diploma (Construction-related)
	Design Engineer	Degree/Diploma (Construction-related)
	Geotechnical Engineer	PhD/Masters/Degree (Construction-related)
	Mechanical & Electrical/Aircon/Fire/Instrumentation Engineer	Degree/Diploma (Mechanical & Electrical-related) With at least 2 years of relevant experience
	Quantity Surveyor	Degree in Quantity Surveying, Building Science, Project Facilities Management
	Resident Technical Officer/Engineer	Degree/Diploma (Construction-related)*
	Testing & Commissioning Engineer	Degree/Diploma (Mechanical & Electrical-related)
	Supervisor and General Foreman	Degree/Diploma/ITE Certificate (Construction-related)
	Crane & Hoist Operator/BC Cutter Operator/Bored Piling Operator/Drilling Operator	Certificate of Successful Completion/Skill Evaluation Certificate (Crane-related) With 5 years of relevant experience
	Draftsman structural/ M&E/ architectural)/Autocad Operator	Degree/Diploma/ITE Certificate in Architectural Design With 2 to 5 years of relevant experience
	Architectural Assistant/Technician	Degree/Diploma in Architectural Design With at least 2 years of relevant experience
	Jet-grouting Specialist	Specialised Trade Certificate (Reinforced Concrete-related) With 3 to 5 years of relevant experience
	Building and Construction Project Manager	Degree/ Diploma (Construction-related) With 5 to 10 years of relevant experience

*These occupations require accreditation by the Joint Accreditation Committee of Institution of Engineers Singapore and the Association of Consulting Engineers Singapore (www.ies.org.sg).

Industry	Occupation	Recommended Requisites
Tourism/ Retail	Lighting Designer	Technical background in electrical and electronics
	Production Manager	Degree/Diploma in any discipline
		With substantial relevant experience
	Set Designer	Degree in Arts (specialisation in Theatre Design or 3-D design), Architecture
	Sound Designer	Technical background in electrical and electronics
	Stage Designer	Degree in Arts (specialisation in Theatre Design or 3-D design), Architecture
	Museum/ Art Curator	Degree in History, Archaeology, Anthropology, Art History, South Asian Studies, Sociology, Museum Studies
	Stage Technical Crew	Degree/ Diploma in Technical Theatre
	Art Fair Organiser/ Art Dealer/ Auctioneer	Degree/ Diploma in Arts Management, Visual Arts and Design, Art History, Performing, Arts, Literary Studies
Casino Surveillance	Degree/ Diploma with strong computer skills	

Industry	Occupation	Recommended Requisites
Information Communication and Digital Media	Analyst Programmer	Degree/Diploma in Computer Engineering, Computer Science, Information Technology, Management of Information Systems
	Software Engineer	
	Database/Network and Computer Systems Administrator	
	System Analyst	
	IT / Project Manager	Degree/Diploma in Computer Engineering, Computer Science, Information Technology; Certificate in Project Management, Management of Information Systems
	Security Consultant	Degree/Diploma in Computer Engineering, Computer Science, Information Technology, Management of Information Systems
	Solution / Software Architect	
	Chief Information Officer	
	Game Producer	Project management qualification and training With sufficient relevant project experience
	Game Programmer	Degree in Computer Science
	2D and 3D Artist	Degree/Diploma in Animation, Computer Graphics, Visual Arts and/or WSQ qualification in a related field*
	Animator	
	Character Artist	
	Character Designer	
	Computer Graphic (CG) Artist	
	Concept Artist	Degree/Diploma in Art/Animation and/or WSQ qualification in a related field*
	Director (TV/Film, Animation & Games)	With at least 8 years relevant experience and/or WSQ qualification in a related field*
	Environment Artist	Degree/Diploma in Animation, Computer Graphics, Visual Arts and/or WSQ qualification in a related field*
	Gaffer	NITEC in Lighting, Photography; Vocational training and/or WSQ qualification in a related field*
	Games Designer/Level Designer	Relevant qualifications, portfolio and experience and/or WSQ qualification in a related field*
	Grip	Degree in Filmmaking and/or WSQ qualification in a related field*
	Lighting and Rendering Artist	Degree/Diploma in Computer Graphics, Visual Arts and/or WSQ qualification in a related field*
Line Producer	Degree/Diploma in Filmmaking and/or WSQ qualification in a related field*	
Matchmove Artist	Degree/Diploma in Animation, Computer Graphics, Visual Arts and/or WSQ qualification in a related field*	

	Modeler and Texture Artist	Degree/Diploma in Computer Graphics, Visual Arts and/or WSQ qualification in a related field*
	Producer (Film/TV, Animation & Games)	Substantial relevant experience in both the creative and business sides of producing a show, animation or game and/or WSQ qualification in a related field*
	Production Assistant (Animation & Games)	Substantial relevant experience in both the creative and business sides of producing an animation or game and/or WSQ qualification in a related field*
	Rigger	Degree/Diploma in Animation and/or WSQ qualification in a related field*
	Rotoscope Artist	Degree/Diploma in Animation, Computer Graphics, Visual Arts and/or WSQ qualification in a related field*
	Screenwriter/ Scriptwriter	Degree in Creative Writing, English, Journalism and/or WSQ qualification in a related field*
	Storyboard Artist	Degree/Diploma in Drawing Skills and/or WSQ qualification in a related field*
	Technical Artist	Degree in Computer Science, Graphic Art, Computer Graphics and/or WSQ qualification in a related field With 3 to 5 years of relevant experience*
	Visual Effects (VFX) Artist/ Technician	Basic formal qualification in visual effects/animation is preferred and/or WSQ qualification in a related field*
	Visual Effects (VFX) Supervisor/ Lead	Degree/Diploma in Computer Graphics, Visual Arts and/or WSQ qualification in a related field With 2 to 3 years of relevant experience*

* For foreigners, a support letter from the relevant vetting authority is necessary to aid you in your application for a work pass. For foreigners working in local media companies, please write to Media Development Authority prior to the submission of your application (email address: MDA_ID@mda.gov.sg). For more information on Singapore Workforce Skills Qualification (WSQ), please go to <http://wsq.wda.gov.sg/>.