





Required skill achievement level: ··· Can understand general concept ··· Can understand details and capable to apply to work (Can undertake part of work alone), ··· Can execute and put to practical use (Can undertake work alone) (Note) ; Requisite, ; Selective according to job requirement

Level			Occupational Field/Job Category																								
Middle Level			Can enable required work fully alone																								
Entry Level			Can undertake required work with the assistance of upper level person																								
Level before work			Minimum required knowledge for a person who engages in IT related work																								
Skill Category	Skill Subcategory	Skill Item	Level 3 (Applicable Knowledge, Skill)	Level 2 (Fundamental Knowledge, Skill)	Level 1 (Basic Knowledge)	Level 0 (Basic Knowledge)	Before Work	System Development	IT Administration (S/E)	Operation	Customer Service	Sales	Staff	System Engineer (IT Specialist)	Operation	Customer Service	Sales	Staff	Development	Project Management	System engineer (IT Specialist)	Operation (IT Service Management)	Customer service	Sales	Staff		
			Application Specialist	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development	Software Development	System Development
System Development (Multimedia)	CG Creation	Image Capturing and Editing Modelling Basics Animation Technique Scene Construction Mathematical Modeling Intellectual Property Right																									
	Web Design	Concept Making Web Site Implementation Information Structure Page Design Expression Technique of Image Interface Test and Evaluation																									
	Image Processing Engineering	Digital Image Fundamentals Image Filtering and Restoration Geometric Transformation Recognition and Detection of Moving Image Processing and Spatial Information Processing Image Compression and Coding Image Processing Application Systems																									
	CG Engineering	Visual Information Processing: Fundamentals Coordinate Transformation Modeling Technology Rendering Animation Technique Image Processing Advanced CG Expressions CG Systems																									
	Audio Engineering	Acoustics Basics Audio Signal Processing																									
	Audio Design	Sound Design Sound Recording Music Theory																									
	Project Management	Project Management Basics	Project Management Basics																								
Project Buildup and Planning		Project Integration Management Project Scope Management Project Time Management Project Cost Management Project Quality Management Project Human Resource Project Communication Management Project Risk Management Project Supply Management																									
Project Procurement and Control		Project Integration Management Project Scope Management Project Time Management Project Cost Management Project Quality Management Project Human Resource Project Communication Management Project Risk Management Project Supply Management																									
Information and Management	Information Strategy	Information System (ERP) Information System (SCM) Information System (CRM) Information System (FSA) Information System (EAI) Information System (EA) Information System (ASP) Information System (DSS) Information System (SIS) Business Improvement, Analysis, Design Internet-Oriented Business																									
	Information System	Production Management System (Manufacturing) Sales Management System (Manufacturing) Purchase Management (Manufacturing) CAD/CAM/CAE FA CIM PDM Accounting, Finance, Personnel System Sales Support System POS Distribution System Finance System Public Business System Business-to-Business System Electronic Clearing System Groupware Work Flow Control Tool																									
	Management Engineering	IE OR																									
Business Skill	Business Basic	Business Manner Business Mind Business Rule Compliance																									
	Legal Affairs	Personal Information Protection Intellectual Property Rights Business Judicial Affairs																									
	Sales	Root Sales Sales Management Tele-Marketing Credit Management Claim Processing																									
	Finance, Accounting	Financial Statement Financial Analysis Bookkeeping Receipts and Expenses																									
	Labour	Labor Judicial Affairs Labour Management																									
	Planning	Marketing Advertisement, Public Relations Statistical Data Analysis Planning Capability																									
	Production	Production Management Logistics																									
Statistics, Applied Mathematics and Information Science	Probability and Stochastic Data Analysis	Probability Statistical Analysis Stochastic Model and Method Multivariate Analysis																									
	Applied Mathematics for Economics and Finance	Function and Algebra Basics Optimization Probability Theory Basics Stochastic Process Basics Basic Statistical Technique Numerical Solution																									
	Financial Engineering	Financial Derivative Modern Portfolio Theory Mathematical Basis of Financial Derivatives																									
	Concept of Usable Mathematics	Introductory Discrete Mathematics Elementary Probability and Statistics Elementary Information and Communication																									
	Basic Complex Systems Science	Outline of Complex System Concept and Tool of Complex System Modeling of Complex System Application of Complex System																									
	Artificial Intelligence Fundamental	Problem Solving Search method Knowledge Representation and Inference Predicate Logic Fuzzy Logic Bayesian Network Neural Network																									
	Media Processing and Understanding	Natural Language Understanding and Machine Translation Image Understanding Speech Processing																									