

SKILL TYPES BY INSTITUTIONS AND RESEARCHERS (Na, 2019)

Common skill type	ILO		UNESCO	USA						Singapore	Australia	Korea
	Brewer and Coryn (2015) analysis of six countries	Stoevska (2015) generic type	UNESCO (2014)	CareerOneStop (2017)	O*NET (2017)	Casner-Lotto and Barrington (2006)	O'Neil et al. (1992)	SCANS (1991)	ACT WorkKeys (2015)	Workforce Skills qualifications (2017)	Curtis and McKenzie (2001)	Na et al. (2003)
Core skills	Basic skills - Literacy - Numeracy	Basic skills - Writing and reading skills - Numeracy	Foundation skill - Basic academic knowledge - Literacy - Numeracy	Academic competencies - Reading - Writing - Mathematics - Science - Communication (listening and speaking) - Critical and analytic thinking - Basic computer skills	Basic skills - Reading comprehension - Writing - Active listening - Speaking - Mathematics - Science - Critical thinking - Active learning - Learning strategies - Monitoring	Basic knowledge skills - Speaking - Reading - Writing - Mathematics - Science - Economy - Foreign language	Basic skills - Reading - Writing - Computation - Arithmetic - Communication skills - Academic skills	Basic skills - Reading - Writing - Mathematics - Listening - Speaking	- Reading and using work-related text - Applying mathematical reasoning to work-related problems	Foundational competencies	Basic skills - Thinking skills - Contextual understanding - Organizational skills	Basic competencies - Literacy - Numeracy - Communication skills
	Personal or professional skills - Honesty, integrity - Work ethic	Generic/ transferable/ soft portable skills - Professional and personal skills (punctuality, honesty, reliability, dependability, self-organization, teamwork)	Transversal skills (e.g., presentation and communication, organizational skills, teamwork) - Intrapersonal skills (self discipline, enthusiasm, perseverance, self motivation)	Personal effectiveness competencies - Interpersonal competencies - Integrity - Personal acceptability - Initiative - Dependability and reliability - Lifelong learning	Cross-functional skills - Social skills	Applied skills - Teamwork/ collaboration - Diversity - Lifelong learning/self direction - Professionalism/work ethic - Ethics/social responsibility	Personal characteristics and attitudes - Responsibility - Self esteem, Self management - Integrity - Personal work habits Interpersonal and teamwork skills - Serves customers, - Works with diversity - Leadership - Teamwork, organizational structure - Interact socially	Personal qualities - Responsibility - Self-esteem - Sociability - Self management - Integrity/honesty - Interpersonal		Cross-cutting competencies	Personal attributes - Continuous learning - Personal attributes - Interpersonal skills	Basic competencies - Interpersonal skills - Self development
	Other coreskills - The ability to learn and adapt - To think creatively - To solve problems independently - To read, write, and compute competently - To listen and communicate effectively - To manage oneself at work - To interact with co-workers - To work in teams or groups - To handle basic technology - To lead effectively, as well as follow supervision	Generic/ transferable/ soft portable skills - Problem solving skills - Decision making skills - Communication skills ICT skills	Transversal skills - Global citizenship (respect for diversity) - Media and information literacy	Workplace competencies - Creative thinking and problem solving - Business fundamentals - Teamwork - Adaptability and flexibility - Marketing and customer focus - Scheduling and coordinating - Checking and examining and recording - Working with tools and technology	Cross-functional skills - Complex problem solving skills - Systems skills - Resource management skills - Technical skills	Applied skills - Critical thinking/ problem solving, - Creativity/innovation - Oral communications - Written communications - Information technology application - Leadership	Higher-order thinking skills - Creative thinking - Decision making - Problem solving - Reasoning - Drawing conclusion - Etc.	Thinking skills - Creative thinking - Decision making - Problem solving - Knowing how to learn - Reasoning Resources, information, literacy systems technology	- Problem solving - Critical thinking - Information literacy - Comparing, summarizing, and analyzing information -		Intellectual abilities - Thinking Skills - Contextual understanding (understand interrelationship in work process and systems) - Organizational skills (resource management, coordinate task, etc).	Basic competencies - Problem solving - Information organizational skills - Business/management skills - Physical ability - Technical skills
Industry Specific Skills	-			- Industry wide technical competencies - Industry sector technical competencies	-					Industry competencies		Common industrial competencies
Occupation Specific Skills	Vocational/ technical skills - Specialized skills, - knowledge or know-how needed to perform specific duties or tasks	Job-specific skills/ technical skills - Specialist knowledge needed to perform job duties - Knowledge of particular products or services produced - Ability of operating specialized technical tools and machinery - Knowledge of materials worked on	Specialized skills - Specific "know-how" needed for a fulfilling and meaningful life and decent employment	- Occupation specific requirements - Management competencies	-					Occupational competencies		Work performance competency (which also includes <i>common industrial competency, mandatory competency, and optional competency</i>)

