Systems thinking

19th

Skills, knowledge and abilities / Cognitive skills / Systems thinking

Global Skills Taxonomy ↗

Five year trend

Learning hours spent pursuing assessments and credentials in **Systems thinking** from 2017 to 2022 (share of total learning hours). Source: Coursera

Reskilling focus

Companies for which **Systems thinking** is a priority in their upskilling and reskilling programmes for 2023-2027 (share of companies surveyed)

Skill importance

Companies for which **Systems thinking** is a core skill for workers (share of companies surveyed)

Skill evolution

Share of companies for which **Systems thinking** is increasing or decreasing in importance at work. White diamond and label represent net share.

15%

36%

+60%

Jobs in focus

Roles where organizations surveyed report **Systems thinking** to be increasing in importance fastest, alongside estimates of the net job growth (percent) from 2023 to 2027.

ROLES	NET GROWTH
1. Sales Representatives, Wholesale and Manufacturing, Technical…	0%
2. Managing Directors and Chief Executives	-2%
3. Business Development Professionals	21%
4. General and Operations Managers	0%
5. Business Services and Administration Managers	-5%
6. Accounting, Bookkeeping and Payroll Clerks	-27%
7. Assembly and Factory Workers	-6%

Time to skill

Learning hours required to achieve a credential in **Systems thinking** at beginner, intermediate or advanced proficiency as a function of the learner's level of formal education.

Hours 0 ▬▬▬▬▬ 34

FORMAL EDUCATION BACKGROUND	BEGINNER	INTERMEDIATE	ADVANCED
All	2.0	6.4	9.2
No Bachelor's Degree	2.3	5.8	8.2
Bachelor's Degree	2.1	6.0	10.8
Graduate Degree	2.0	6.8	9.3

Strategically adjacent skills

Probability that a company which will prioritise skills training in **Systems thinking** from 2023 to 2027 will also prioritise other skills.

Skill taxonomy ■ Skills, knowledge and abilities ■ Attitudes

Analytical thinking	66%
Leadership and social influence	57%
AI and big data	56%
Creative thinking	56%
Technological literacy	54%
Resilience, flexibility and agility	52%
Curiosity and lifelong learning	47%
Motivation and self-awareness	45%
Talent management	44%
Service orientation and customer service	43%

Simultaneous skill development

Probability that courses in **Systems thinking** also teach other skills. Source: Coursera.

Skill taxonomy ■ Skills, knowledge and abilities ■ Attitudes

Resource management and operations	81%
Creative thinking	77%
Analytical thinking	68%
Marketing and media	66%
Design and user experience	63%
Empathy and active listening	54%
Leadership and social influence	41%
Reading, writing and mathematics	31%
Programming	30%
Technological literacy	29%

Industry trends

Industry-by-industry variations in reskilling focus, current and future importance, forecast evolution in importance, and strategic focus companies will place on **Systems thinking** from 2023 to 2027 for the industries which assign the highest and lowest reskilling focus to this skill (share of companies surveyed).

■ Above global mean ■ Below global mean

INDUSTRY	RESKILLING FOCUS	SKILL IMPORTANCE	SKILL EVOLUTION
Electronics			
Mining and Metals			
Education and training			
Telecommunications			
Accommodation, Food, and Leisure			
Real estate			