

Task 1

Computing Graduates looking for employment must already be competent in core technical and transferable skills; this will guarantee long term employment. National frameworks identify essential digital skills such as problem-solving, information management data literacy and cyber security awareness all essentials' skills within the computing workplace [3]. Technical expertise in programming languages, data administration and system deployment believe the core foundation of their career lies within knowing how to code and manage systems [4]. Whilst Modern industry leaders believe that there needs to be focus on professional soft skills; communication, digital virtual team collaboration and critical competence [2].

Generative AI platforms such as ChatGPT [1] and Tee and their team [2] both confirm that having a skill set such as problem-solving, digital adaptability and data handling contributes to being able to adapt to evolving technology. Due to AI hallucinations causing inaccuracies, it's important to cross-reference a journal paper written by academic Researchers and university professors. AI inaccuracies and the skill set to be able to cross-reference academic papers increase the probability of graduate employment [2].

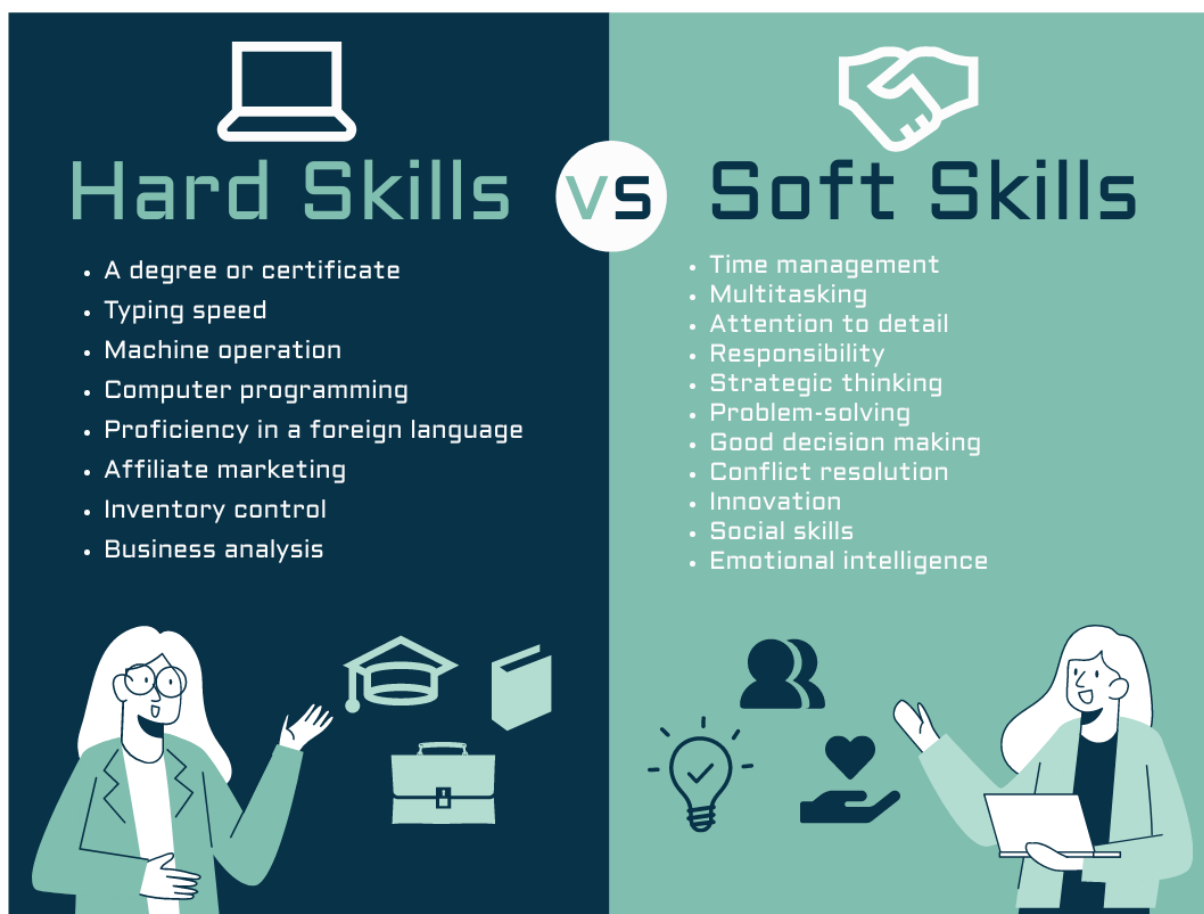


Fig 1. Imagine illustrating the difference between technical and professional soft skills in Computing.

Just a moment...

Learning these academic and vocational skills through this CertHE computing course will leave lifelong skills that can be used throughout a professional career in the computing field, whether it be as a software engineer or an IT analyst. Learning these skills supports professional progression after graduation, allowing a head start in solving real-world technical issues, leading collaborative projects and maintaining a long-term career.

References

- [1] OpenAI's ChatGPT, private communication, July 2026.
- [2] P. K. Tee, L. C. Wong, M. Dada, B. L. Song, and C. P. Ng, "Demand for digital skills, skill gaps and graduate employability: Evidence from employers in Malaysia," *F1000Research*, vol. 13, p. 389, 2024.
- [3] UK GOV, "Essential digital skills framework," GOV.UK, 2019. Available: <https://www.gov.uk/government/publications/essential-digital-skills-framework>.
(Online/Website Source)
- [4] I. Sommerville, *Software Engineering*, 10th ed. Boston: Pearson, 2016.

Part B

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