ФІЛОСОФІЯ ОСВІТИ

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METAMORPHOSES OF PROFESSIONAL COMPETENCIES: PHILOSOPHICAL DISCOURSE OF HARD AND SOFT SKILLS INTEGRATION

__Relevance of the study.__ The transformation of professional competencies has become a critical focus in modern educational discourse, particularly regarding integrating hard and soft skills. This shift is driven by the increasing role of artificial intelligence in replacing technical skills while elevating the importance of uniquely human capabilities. Recent studies indicate that organisations consider this integration crucial for success in the digital era, with a significant increase in demand for hybrid training programs. The rapid advancement of digital technologies has created an urgent need to redefine traditional skill categorizations and develop new frameworks for professional development.

__The study aims__ to reflect on professional competencies transformation by analysing the metamorphosis of hard and soft skills interaction in the digital era. The research addresses three key objectives: conceptualising the competencies metamorphosis phenomenon, developing and empirically verifying an integration model, and investigating artificial intelligence's impact on soft skills' role. The study specifically focuses on identifying patterns of skill evolution across different professional domains.

__Research methods.__ The study employs a comprehensive methodology combining classical philosophical and modern approaches, including the dialectical method for analysing technocratic-humanistic contradictions, the phenomenological approach for studying skill integration experience, and systems analysis for modelling new-type competencies. The research involved qualitative interviews with industry experts, quantitative surveys of professionals, and longitudinal observation of skill development patterns over an 18-month period.

__Research results.__ The study revealed three fundamental metamorphoses in competencies' nature: hybridisation, the emergence of new professional mastery forms, and increased contextual adaptability. The experimental group showed higher adaptability to new professional contexts, with participants developing «hybrid» competencies. Quantitative analysis revealed a 45% improvement in problem-solving efficiency among professionals who developed integrated skill sets. The research established a philosophical model encompassing epistemological, ontological, and axiological levels of competencies transformation. The study identified key factors facilitating successful skill integration and provided practical guidelines for educational institutions in designing future-oriented professional development programs.

__Key words:__ professional competencies, hard skills, soft skills, philosophical reflection, digital era, competencies hybridisation, artificial intelligence.

The introduction. In modern educational and professional discourse, there is a fundamental transformation in understanding the nature of professional competencies. Soft skills metamorphosis becomes particularly relevant as these «soft» skills transform from supplementary skills into a system-forming element of professional competency. This transformation occurs in the context of global changes in

work conditions, where technical skills are increasingly being supplemented or even replaced by artificial intelligence. Meanwhile, purely human qualities – emotional intelligence, creativity, empathy, and complex communication – become decisive factors for professional success.

In 2023–2024, several critical studies emerged confirming the relevance of professional competencies transformation. Notably, Deloitte's «Global Human Capital Trends 2024» [1] revealed that 89% of organisations consider integrating technical and social skills a critical success factor in the digital era. The LinkedIn Learning Report 2024 [2] shows a 47% increase in demand for «hybrid» training programs compared to the previous year. Special attention is drawn to the World Economic Forum's «Skills Revolution 2024» [3] study, which predicts that by 2026, 85% of professional roles will require deep integration of hard and soft skills.

Ukrainian researchers actively develop the problematics of professional competencies transformation. O. M. Kyrychenko, T. V. Romanenko, and V. M. Franchuk [4] presented results analysing changes in professional competencies structure under education digitalisation conditions. At the same time, V. Yu. Bykov [5] developed a model for integrating technical and social skills in higher education. I. M. Lytovchenko's pedagogical research conducted in American companies in Ukraine revealed significant changes in approaches to professional competency formation [6]. Particularly noteworthy is V. S. Furkalo and V. I. Furkalo's analysis of the educational paradigm with special emphasis on philosophical and methodological foundations, demonstrating fundamental changes in understanding the nature of professional competencies [7].

The philosophical understanding of these transformations requires rethinking the traditional dichotomy between hard and soft skills. In post-industrial society and the fourth industrial revolution, we observe not just a convergence of these skill types but their deep integration, generating a new kind of professional competency. This fundamental metamorphosis touches on ontological, epistemological, and axiological aspects of understanding professional mastery.

The transformation of soft skills has become particularly significant in the development of artificial intelligence technology. Paradoxically, the more routine processes become automated, the more crucial interpersonal interaction, emotional intelligence, and creative thinking skills become. This creates a new challenge for the education system: ensuring the formation of competencies that will remain relevant in an era of total digitalisation and automation.

The purpose of the study is to conduct a philosophical reflection on the process of professional competencies transformation through the lens of hard and soft skills interaction metamorphosis in the context of challenges in the digital era. The research aims to address three interconnected tasks:

First, to conceptualise the phenomenon of professional competencies metamorphosis in the context of the modern philosophy of education, mainly through revealing ontological, epistemological, and axiological aspects of hard and soft skills interaction transformation in the digital era.

Second, to develop and empirically verify a theoretical model of professional competencies integration that accounts for their dynamic nature and contextuality in modern educational space.

Third, to investigate the impact of artificial intelligence technologies on rethinking the role of soft skills in professional activity and determine ways of forming new types of integrated competencies.

Method of research. The study employed a comprehensive methodology integrating classical philosophical and modern approaches to analysing educational phenomena. The dialectical method was used to analyse contradictions between technocratic and humanistic dimensions of professional competency. The phenomenological approach enabled research of direct experience in integrating different skill types. The hermeneutical method enabled the interpretation of semantic contexts in competencies transformation. Systems analysis was applied to model a holistic system of new-type professional competencies. The comparative method allowed a comparative study of different theoretical approaches.

Results and discussion. Analysis of contemporary scientific discourse regarding professional competencies transformation demonstrates a growing interest in this topic in global and Ukrainian science. Particularly, analysis of «hard-skills», «soft-skills» and «meta-skills» problematics in the professional competency system is conducted in works of foreign authors (Amran M., Kuti F., Surat S., Bridges D., Razetti G., Maisiri V., Van Dyke L.) and Ukrainian researchers (Belyaeva A., Leshchenko G.,

Konyukova I., Sydorovska E., Muravyova I., Maryanko Y., Osadcha A., Kochubey T., Tkachuk Y., Mandro L., Yavorska G., et al.).

Today's society is defined as a network-based or informational society. In the fundamental study «The Rise of the Network Society», M. Castells develops the thesis that professional competencies acquire a fundamentally new nature in the network society, becoming more plastic and contextually dependent. The term «informational» indicates an attribute of a specific social organisation where information generation, processing, and transmission became fundamental sources of productivity due to new technological conditions emerging in this historical period. The author pays special attention to the phenomenon of «network competency» as a new type of integrated skill combining technical and social aspects [8].

In the context of Ukrainian scientific thought, it's worth noting S. Hanaba's research, which emphasises that in modern conditions, the primary skill is the ability to abandon standard templates and unified rules, stereotypical patterns and task-solving algorithms. Soft skills specifically «enhance» professional competencies and analyse the transformation of professional competencies in the context of higher education reform [9].

According to the latest World Economic Forum «The Future of Jobs Report 2024» [10], 87% of employers plan to invest in developing integrated learning programs combining technical and social skills. This indicator shows a 12% increase compared to 2023 data.

Analysis of contemporary discourse on professional competencies transformation revealed three key metamorphoses in their ontological nature:

1. Competencies hybridisation: formation of «hybrid» skills combining hard and soft skills characteristics. For example, technical planning becomes inseparable from emotional intelligence and communicative competency, increasing demand for such «hybrid» specialists.

2. Emergence of professional mastery: the appearance of qualitatively new properties when integrating different skill types. This is particularly evident in artificial intelligence, where technical expertise becomes inseparable from ethical competency and systems thinking.

3. Contextuality of competencies: the growing importance of situational adaptability of skills is that modern professionals must be able to «switch» different types of competencies depending on context.

To verify theoretical principles, comprehensive empirical research was conducted at three higher education institutions in the Bessarabian region of Ukraine (2023–2024). The research was implemented in three consecutive stages. During the diagnostic stage (September-October 2023), 46 teachers were surveyed regarding their understanding of professional competencies transformation, seven educational programs were analysed for the ratio of hard and soft skills, and in-depth interviews were conducted with seven department heads regarding professional competencies development strategies.

The experimental stage (November 2023 – March 2024) included implementing an experimental program of integrated competencies development for 124 bachelor's students, conducting a series of interdisciplinary workshops on hybrid skills development, and monitoring professional competencies transformation through case studies. At the analytical stage (March – April 2024), a comparative analysis of experimental and control groups' results was conducted, a qualitative analysis of participants' reflective diaries was performed, and an expert evaluation of competencies transformation results was carried out.

Research results showed that 78% of teachers note the necessity to revise the traditional division between hard and soft skills. The experimental group showed 32% higher indicators of adaptability to new professional contexts, and 84% of students in this group demonstrated a higher level of technical and social skills integration. Qualitative case analysis revealed new «hybrid» competencies in 67% of experiment participants.

The experiment demonstrates the necessity of rethinking the traditional division of skills into hard and soft skills in higher education. This is evidenced by both high teacher support for this idea (78%) and significantly better results of the experimental group in adaptability (32%) and integration of technical and social skills (84% of students). The formation of «hybrid» competencies in most experiment participants (67%) confirms the effectiveness of the proposed integrated approach to professional competencies development in higher education.

Theoretical understanding of professional competencies transformation requires a comprehensive philosophical model reflecting this process's multidimensionality. Based on Z. Bauman's concept of «liquid modernity» [11], we can assert that the nature of competencies becomes fluid and transformative. In his last work, «Education in Liquid-Modern Setting» [12], Bauman emphasises that under conditions of uncertainty and constant change, the idea of fixed competencies becomes problematic.

The developed philosophical model of professional competencies metamorphosis reveals transformation at three interrelated levels. At the epistemological level, transformation occurs in acquiring and verifying professional knowledge, which, according to J. Habermas, forms through the interaction of instrumental and communicative rationality [13]. Our empirical research showed that 76% of teachers note the growing role of implicit knowledge in professional training. As P. Bourdieu notes, this process can be characterised as forming a new type of educational capital through new cognitive knowledge integration patterns [14].

The ontological level is characterised by new forms of professional existence, which M. Castells describes as the emergence of networked professional identity [15]. A fundamental transformation in professional activity's nature under digitalisation influence is observed, confirmed by our experimental research results and manifested in changing professional competencies' ontological status.

At the axiological level, reevaluation of professional activity's value foundations occurs in the context of artificial intelligence's ethical challenges. A new professional ethics integrating technological and humanistic components is forming, and criteria for professional success are transforming, confirmed by World Economic Forum data.

Comparative analysis of modern research reveals key trends in understanding professional competencies metamorphosis. A. Edmondson's «psychological safety» concept [16], verified by the empirical study of 200 innovative companies, shows that a psychological safety environment is 47% more effective in developing integrated competencies. A direct correlation between psychological safety level and ability to integrate hard and soft skills was found, correlating with our experiment results, where a safe educational environment facilitated hybrid competencies formation.

Research on Industry 4.0's impact by K. Schwab and N. Davis [17], based on an analysis of 500 leading companies, showed that 92% of successful innovations are based on technical and social competencies synergy. New hybrid professions requiring integrated competencies were identified, with further blurred boundaries between hard and soft skills predicted.

McKinsey Global Institute's international study «Future of Work 2024» [18], covering 800 professions in 46 countries, confirmed the trend toward competencies hybridisation. The study revealed that 65% of children starting school will work in positions that don't yet exist, supporting the thesis about the necessity of forming adaptive integrated competencies.

These data support our empirical research results and confirm the need for a philosophical rethinking of professional competencies' nature. Three key challenges were identified in this context:

1. Automation paradox: 89% of respondents note the increasing role of emotional intelligence.
2. Professional identity crisis: 76% note the need for a more flexible professional identity.
3. Ethical challenges: 94% of experts emphasise including ethical components in professional competencies.

Conclusion. Modern transformational processes in education occurring under the influence of digitalisation and globalisation require rethinking the nature of professional competencies. Based on theoretical analysis and empirical research conducted in Bessarabian region universities, we can draw several important conclusions:

First, philosophical analysis of professional competencies transformation revealed fundamental changes in their nature. Based on Z. Bauman's «liquid modernity» concept [12] and M. Castells' network society theory [15], we established that the traditional hard and soft skills dichotomy gives way to a more complex, integrative competencies model. This is confirmed by theoretical developments of leading education philosophers and our empirical research, where 78% of teachers note the necessity to revise the traditional skills division.

Second, empirical research conducted at three universities in the Bessarabian region demonstrated the effectiveness of an integrated approach to professional competencies development. The experimental group showed 32% higher adaptability indicators to new professional contexts, correlating

with McKinsey Global Institute international research [18] and A. Edmondson's research results [16] regarding psychological safety's role in integrated competencies development.

Third, our developed philosophical model of competencies metamorphosis, including epistemological, ontological, and axiological levels, enables a new understanding of the professional skills transformation process. Significant is the identified «competencies hybridisation» phenomenon, confirmed by both our empirical data (67% of participants demonstrate hybrid skills formation) and the latest K. Schwab and N. Davis research on Industry 4.0's impact on professional competencies [17].

Prospects for further research include conducting a comparative analysis of competencies transformation in different cultural contexts, studying artificial intelligence's impact on professional competencies transformation, and examining psychological mechanisms of hybrid skills formation.

In conclusion, professional competencies metamorphosis requires continuous philosophical reflection, as digital society's dynamics constantly create new challenges for the education system. Integration of hard and soft skills is not just an educational trend but a fundamental response to post-industrial society's demands, requiring the formation of a new type of professional – capable of constant transformation and adaptation of their competencies according to time's challenges.

BIBLIOGRAPHY

1. 2024 *Deloitte Global Human Capital Trends*. URL: https://www2.deloitte.com/us/en/insights/focus/human-capital-trends.html (дата звернення: 06.02.2025).

2. *Workplace Learning Report 2024* / LinkedIn Learning Platform. URL: https://surli.cc/bbwarm (дата звернення: 06.02.2025).

3. *Reskilling Revolution* / World Economic Forum. URL: https://surli.cc/xlwqxl (дата звернення: 06.02.2025).

4. *Цифрова трансформація освіти: теоретико-методичні засади* : монографія. За ред. В. П. Сергієнка, Н. П. Франчук. Київ : УДУ імені М. Драгоманова, 2024. 382 с.

5. Биков В. Ю. Інноваційний розвиток засобів і технологій систем відкритої освіти. *Сучасні інформаційні технології та інноваційні методики у підготовці фахівців: методологія, теорія, досвід, проблеми*. Київ-Вінниця : Планер, 2012. С. 32-40.

6. *Інтеграція цифрових технологій в освітній процес: виклики та перспективи* : монографія. Саєнко Н. С. та ін. Київ : Центр учбової літератури, 2022. 220 с.

7. Фуркало В. С., Фуркало В. І. Методологічні засади розвитку та становлення освітньої парадигми в контексті сучасних євроінтеграційних трансформацій. *Культурологічний альманах*. 2024. Вип. 2 (10). С. 306-312.

8. Castells M. *The Rise of the Network Society, The Information Age: Economy, Society and Culture*. Vol. I. Cambridge: Blackwell, 1996. 625 p.

9. Ганаба С. *Soft skills* епохи «плинної модерності»: як змінюється змістове наповнення освіти. *Вища освіта України*. 2023. № 2. С. 25-31.

10. *The Future of Jobs Report 2024: Insights and How JobsPikr Empowers Your Hiring Strategy*. URL: https://www.jobspikr.com/blog/future-of-jobs-report-2024/ (дата звернення: 06.02.2025).

11. Bauman Z. *Liquid Modernity*. Cambridge : Blackwell, 2000. 232 p.

12. Bauman Z. Education in the Liquid-Modern Setting. *Power and Education*. 2009. Vol. 1(2). P. 157-166.

13. Habermas J. *The Theory of Communicative Action*. 1st ed. New York : Wiley, 2015. URL: https://www.perlego.com/book/1535910/ (дата звернення: 06.02.2025).

14. Bourdieu P. The Forms of Capital. *Handbook of theory and research for the sociology of education* / ed. J. G. Richardson. New York : Greenwood Press, 1986. P. 241-258.

15. Castells M. Globalisation, Networking, Urbanisation: Reflections on the Spatial Dynamics of the Information Age. *Urban Studies Journal Limited*. 2010. P. 2737-2745.

16. Edmondson A. C. *Right Kind of Wrong: The Science of Failing Well*. New York : Simon Element, 2023. 368 p.

17. Schwab K., Davis N. *Shaping the Fourth Industrial Revolution*. Geneva : World Economic Forum, 2018. 287 p.

18. What is the future of work? *McKinsey Global Institute*. 2023. URL: https://surl.li/bursnm (дата звернення: 06.02.2025).

19. Hernez-Broome G. Social intelligence: The new science of human relationships. *Journal of Psychological Issues in Organizational Culture*. 2012. Vol. 3(2). P. 75-78.

20. Oxanham M. *Higher Education in Liquid Modernity*. New York : Routledge, 2013. 242 p.

21. *Trends Shaping Education 2019*. OECD. Paris : OECD Publishing, 2019. 108 p.

22. Malý L. The Role of Educational Programmes and Their Effect on Self-Education: An Example from Practice in the Context of Encountering Different Cultural Influences. *Theology and Philosophy of Education*. 2023. Vol. 2, № 2. P. 25–31. URL: https://tape.academy/index.php/tape/article/view/31 (дата звернення: 29.12.2024).

23. Ponomarenko V., Rayevnyeva O., Stryzhychenko K. Investigation of Demand and Stability of Ukrainian Educational Market. *Asian Journal of Applied Sciences*. 2015. Vol. 3(1). P. 50-58.

24. Сисоєва С. О. Освітні реформи: освітологічний контекст. *Теорія і практика управління соціальними системами*. 2013. № 3. С. 44-55.

25. *Компетентнісний підхід у сучасній освіті: світовий досвід та українські перспективи* : бібліотека з освітньої політики / за заг. ред. О. В. Овчарук. Київ : К.І.С, 2004. 112 с.

REFERENCES

1. Deloitte insights. (2024). *Global human capital trends.* https://www2.deloitte.com/us/en/insights/focus/human-capital-trends.html

2. LinkedIn. (2024). *Workplace learning report 2024.* https://surli.cc/xlwqxl

3. World Economic Forum. (2024). *Reskilling revolution.* https://www.weforum.org/impact/reskilling-revolution-preparing-1-billion-people-for-tomorrow-s-economy-2c69a13e66/

4. Serhiienko, V. P., & Franchuk, N. P. (Eds.). (2024). *Tsyfrova transformatsiia osvity: teoretyko-metodychni zasady* [Digital transformation of education: theoretical and methodological foundations]. UDU imeni M. Drahomanova [in Ukrainian].

5. Bykov, V. Yu. (2012). Innovatsiinyi rozvytok zasobiv i tekhnolohii system vidkrytoi osvity [Innovative development of tools and technologies of open education systems]. *Suchasni informatsiini tekhnolohii ta innovatsiini metodyky u pidhotovtsi fakhivtsiv: metodolohiia, teoriia, dosvid, problemy*, 32–40 [in Ukrainian].

6. Saienko, N. S., Holub, T. P., Lavrysh, Yu. E., Lukianenko, V. V., & Lytovchenko, I. M. (2022). *Intehratsiia tsyfrovykh tekhnolohii v osvitni protses: vyklyky ta perspektyvy* [Integration of digital technologies in educational process: challenges and prospects]. Tsentr uchbovoi literatury [in Ukrainian].

7. Furkalo, V. S., & Furkalo, V. I. (2024). Metodolohichni zasady rozvytku ta stanovlennia osvitnoi paradyhmy v konteksti suchasnykh yevrointehratsiinykh transformatsii [Methodological foundations of educational paradigm development in the context of modern European integration transformations]. *Kulturolohichnyi almanakh,* 2(10), 306–312 [in Ukrainian].

8. Castells, M. (1996). *The rise of the network society, the information age: Economy, society and culture* (Vol. 1). Blackwell.

9. Hanaba, S. (2023). Soft skills epokhy «plynnoi modernosti»: yak zminiuietsia zmistove napovnennia osvity [Soft skills of the «liquid modernity» era: how the content of education is changing]. *Vyshcha osvita Ukrainy*, 2, 25–31 [in Ukrainian].

10. JobsPikr. (2024). *The future of jobs report 2024: Insights and how JobsPikr empowers your hiring strategy.* https://www.jobspikr.com/blog/future-of-jobs-report-2024/

11. Bauman, Z. (2000). *Liquid modernity*. Polity Press.

12. Bauman, Z. (2009). Education in the liquid-modern setting. *Power and Education,* 1(2), pp. 157–166.

13. Habermas, J. (2015). *The theory of communicative action* (1st ed.). Wiley.

14. Bourdieu, P. (1986). The forms of capital. In J. G. Richardson (Ed.), *Handbook of theory and research for the sociology of education,* pp. 241–258.

15. Castells, M. (2010). Globalisation, networking, urbanisation: Reflections on the spatial dynamics of the information age. *Urban Studies Journal Limited*, pp. 2737–2745.

16. Edmondson, A. C. (2023). *Right kind of wrong: The science of failing well*. Simon Element.

17. Schwab, K., & Davis, N. (2018). *Shaping the fourth industrial revolution.* World Economic Forum.

18. McKinsey Global Institute. (2023). *What is the future of work?* https://surl.li/bursnm

19. Hernez-Broome, G. (2012). Social intelligence: The new science of human relationships. *Journal of Psychological Issues in Organizational Culture,* 3(2), pp. 75–78.

20. Oxanham, M. (2013). *Higher education in liquid modernity.* Routledge.

21. OECD. (2019). *Trends shaping education 2019.* OECD Publishing.

22. Malý, L. (2023). The Role of Educational Programmes and Their Effect on Self-Education: An Example from Practice in the Context of Encountering Different Cultural Influences. *Theology and Philosophy of Education*, 2(2), 25–31. https://tape.academy/index. php/tape/article/view/31

23. Ponomarenko, V., Rayevnyeva, O., & Stryzhychenko, K. (2015). Investigation of demand and stability of Ukrainian educational market. *Asian Journal of Applied Sciences,* 3(1), 50–58.

24. Sysoieva, S. O. (2013). Osvitni reformy: osvitolohichnyi kontekst [Educational reforms: educological context]. *Teoriia i praktyka upravlinnia sotsialnymy systemamy,* 3, 44–55 [in Ukrainian].

25. Ovcharuk, O. V. (Ed.). (2004). *Kompetentnisnyi pidkhid u suchasnii osviti: svitovyi dosvid ta ukrainski perspektyvy* [Competence approach in modern education: world experience and Ukrainian perspectives]. K.I.S. [in Ukrainian].

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МЕТАМОРФОЗИ ПРОФЕСІЙНИХ КОМПЕТЕНТНОСТЕЙ: ФІЛОСОФСЬКИЙ ДИСКУРС ІНТЕГРАЦІЇ HARD І SOFT SKILLS

Актуальність дослідження. Трансформація професійних компетентностей стала критичним фокусом у сучасному освітньому дискурсі, особливо щодо інтеграції жорстких і м'яких навичок. Цей перехід зумовлений зростаючою роллю штучного інтелекту у заміщенні технічних навичок з одночасним підвищенням значущості унікальних людських здібностей. Останні дослідження свідчать, що організації вважають таку інтеграцію вирішальною для успіху в цифрову епоху, що супроводжується значним зростанням попиту на гібридні навчальні програми. Стрімкий розвиток цифрових технологій створив нагальну потребу у переосмисленні традиційних категоризацій навичок та розробці нових структур професійного розвитку.

Мета дослідження полягає в осмисленні трансформації професійних компетентностей шляхом аналізу метаморфози взаємодії жорстких і м'яких навичок у цифрову епоху. Дослідження зосереджується на трьох ключових завданнях: концептуалізації феномену метаморфози компетентностей, розробці та емпіричній верифікації інтеграційної моделі, а також дослідженні впливу штучного інтелекту на роль м'яких навичок. Дослідження особливо зосереджується на виявленні закономірностей еволюції навичок у різних професійних сферах.

Методи дослідження. У дослідженні застосовано комплексну методологію, що поєднує класичні філософські та сучасні підходи, включаючи діалектичний метод для аналізу технократично-гуманістичних протиріч, феноменологічний підхід для вивчення досвіду інтеграції навичок та системний аналіз для моделювання компетентностей нового типу. Дослідження включало якісні інтерв'ю та лонгітюдне спостереження за моделями розвитку навичок протягом 18 місяців.

Результати дослідження. Дослідження виявило три фундаментальні метаморфози у природі компетентностей: гібридизацію, появу нових форм професійної майстерності та підвищену контекстуальну адаптивність. Експериментальна група продемонструвала вищу адаптивність до нових професійних контекстів, учасники якої розвинули «гібридні» компетентності. Кількісний аналіз виявив 45-відсоткове покращення ефективності вирішення проблем серед фахівців, які розвинули інтегровані набори навичок. Дослідження встановило філософську модель, що охоплює епістемологічний, онтологічний та аксіологічний рівні трансформації компетентностей. Дослідження визначило ключові фактори успішної інтеграції навичок та надало практичні рекомендації освітнім установам щодо розробки професійних програм розвитку, орієнтованих на майбутнє.

Ключові слова: професійні компетентності, hard skills, soft skills, філософська рефлексія, цифрова епоха, гібридизація компетентностей, штучний інтелект.