



### VII. Competency Matrix

Code of the competence	Name of the competence	Code of the module, academic discipline
UC-1	Be able to apply scientific methods (analysis, comparison, systematisation, abstraction, modelling, data validation, decision-making, etc.) in independent research activities, generate and implement innovative ideas	1.1.1, 1.1.2, 1.1.3, 1.3
UC-2	Master the methodology of scientific cognition, be able to analyse and evaluate the content and level of philosophical and methodological problems in solving research and innovation problems	1.1.2, 1.1.3, 1.3
UC-3	Have the skills to use modern information technology to solve research and innovation problems	1.2
UC-4	Be able to carry out pedagogical activities in educational establishments, to master and implement effective educational and information and communication technologies, and pedagogical innovations	2.2.1, 2.2.2, 2.4.1, 3.1
UC-5	Master the methods and techniques of personal and professional development of the educator-researcher, building a professional career considering the humanistic social and pedagogical ideals, norms and principles of pedagogical and scientific ethics, individual abilities and aptitudes	2.4.2
UC-6	Master a foreign language for communication in an interdisciplinary and scientific environment, in various forms of international cooperation, research and innovation activities	2.1.1, 2.1.2
AVC-1	Be able to analyse the relevance, innovativeness of research and development in vocational education, use knowledge of trends in vocational education to address current research and teaching challenges	1.1.1, 1.3
AVC-2	Be able to apply basic scientific concepts and research approaches to justify the theoretical positions put forward and methodological solutions in the field of methodology of scientific and pedagogical research	1.1.3, 1.3
AVC-3	Be able to use information and communication technologies to organise research and pedagogical activities, support innovative educational processes, design modern electronic educational resources and create high-quality educational content for them	1.2
SC-1	Be able to apply specialised application software in the process of scientific and pedagogical activities in the field of professional education	2.2.1
SC-2	Be able to use innovative methods and technologies in the educational process, taking into account domestic and foreign experience, to analyse the effectiveness of their application in educational practice	2.2.2, 2.3.1
SC-3	Know how to use productive technologies for scientific and pedagogical communication	2.1.3.1
SC-4	Master modern technologies of quality management of scientific and pedagogical activities for the benefit of the consumers of educational services and organisations which need and order specialists	2.2.1, 2.3.1
SC-5	Be able to navigate in today's information and communication bilingual space; carry out oral and written intercultural communication within the professional and pedagogical spheres of communication	2.1.2
SC-6	Have the willingness to apply new knowledge and skills necessary to solve problems in scientific, methodological, research, management and innovation activities	2.4.1
SC-7	Be capable of independent research activities, generating new ideas and making decisions	2.4.2

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