LEVELS (QUALIFICATIONS) DESCRIPTORS OF "AGRICULTURE" SECTORIAL QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION OF THE REPUBLIC OF ARMENIA

EDUCATIONAL LEVEL (QUALIFICATION)	1ST (BACHELOR)	2ND (MASTER)
General description (characteristic) of the Qualification	• A Bachelor's degree is conferred to the students who possess comprehensive and coordinated knowledge and skills to carry out some professional activities and/or to continue study in a number of agricultural areas.	• A Master's degree is conferred to the students who have deep and specialized field knowledge and skills in agricultural sciences for the implementation of professional activities and research and/or for the accomplishment of the further study.

KNOWLEDGE	**1. Knowledge and understanding**	• Demonstrates general knowledge and skills in agricultural production, plant and animal breeding, reservation and processing technologies. • Demonstrates knowledge and skills in production of animal and plant origin, industrial methods aimed at the efficient use of limited natural resources and wastes. • Demonstrates knowledge and skills in technological processes of traditional, extensive, intensive and alternative ways of agricultural farming. • Demonstrates advanced knowledge and skills in the growth, care and reproduction of biological units, their relevant use forms, their impact on biosphere. • Demonstrates knowledge of the physical, chemical and biological phenomena of biosphere and live organism system, general knowledge and methods for the sustainable development of agriculture. • Demonstrates general knowledge in the economical tools and methods for the successful agribusiness conduction. • Demonstrates advanced knowledge and skills of the methods, theories and contemporary and fundamental concepts of the area of study. • Demonstrates awareness of the main regulative documents and international conventions related to the agriculture, knowledge of foreign language necessary for the integration with international markets.	• Demonstrates comprehensive knowledge towards the research methods and theories of the biological, technological and technical-economical sciences of agrarian sphere. • Demonstrates knowledge in the latest scientific-technical, technological achievements in agricultural production areas and also methodological skills for the conduction of independent research. • Demonstrates necessary skills in the main regulatory documentation procedures and international conventions related to agrarian sphere for the integration with international markets and also certain knowledge in his/her professional field.

SKILLS	2. Applying knowledge and understanding	• Is able to use the acquired knowledge and skills and advanced approaches in fundamental principles and methods of effective plant growing, animal breeding resources for the sustainable development of agriculture. • Is able to use the fundamental principles and methods of the area for the rational application and renovation of land water and other resources, green areas. • Is able to apply the obtained knowledge and competences, innovative and advanced approaches and skills for the solution of the problems raised during professional work or study.	• Is able to comprehensively use the sustainable development provisions, statutes of agrarian field, professional and/or interdisciplinary advanced principles and methods for the solution of theoretical and practical issues in case of incomplete information or new unexpected strange situations. • In climatically unfavorable and emergency situations, can use the conceptual and methodical principles of intensive and extensive agricultural farming and contemporary technological procedures. • Is able to communicate with foreign specialists and to comprehend and develop some articles, to participate in debates and defend own viewpoints in agrarian field in foreign languages for the trade internationalization in the agrarian sphere.
	3. Communication, ICT and numeracy skills	• Is able to explain and introduce to professional and non-professional society traditional and alternative methods of agricultural farming, biological processes taking place in biosphere, agri-ecological issues, the means and methods of enhancement of efficiency of landscape protection and enlargement, harmonic relationships of biological systems and units, availability of scarce natural resources, as well as efficiency enhancement of agricultural production in unfavorable climatic conditions. • Is able to use IT systems for the selection of effective technologies and methods of agricultural farming in specialized area, organization of optimal crop rotation, for proper livestock planning, for the evaluation of the arable and unfertile agricultural land volume and their optimal utilization opportunities, for the forecast of unfavorable conditions in the	• Is able to use professional communicative means to present the research results and conclusions of the agrarian field to the farming subjects of the agrarian sphere, as well as to the professional and non-professional society in a structured manner. • Is able to apply IT systems to solve new, complex problems of the agrarian professional area and to support research activities. • Is able to carry out fundamental scientific experiments in the agrarian field, also to analyze and evaluate quantitative and qualitative data of productive and economic nature, to make forecasts, to offer recommendations, to provide food and to solve practical and agribusiness problems related to food safety in case of deficient information

		organization of the agricultural production, possible risks and the expected yield rate, for the search of new consumption markets and for the disclosure of new markets and effective agribusiness organization. • Is able to collect, develop and translate qualitative and quantitative data from different sources (experimental information sources, information data base, consultation service data, media, internet, etc.) related to animal husbandry, crop breeding, landscape, soil variations and their crop rotation, livestock, quantitative and qualitative data concerning the ecological pollution of the environment and natural climatic conditions in order to make justified judgments based on these data.	(climatically unfavorable and emergency situations).
	4. Generic cognitive skills (including making judgments)	• Is able to analyze and evaluate the opportunities and necessary conditions of sustainable development of individual agricultural fields and environmental protection and efficient use of natural resources, the comparative advantages of individual crop cultivation and animal husbandry, and the efficiency of the reduction of risks resulted from global climate changes. • Is able to demonstrate some creative approaches towards various ways of agricultural farming and towards the enhancement of the advantages and disadvantages of technologies, the obstacles in agribusiness and effective economy and the current legal and social-economic limitations in order to propose different solutions.	• Is able to organize and implement some research and experimental works independently in some agricultural fields. • Is able to suggest new ideas, approaches and theories for the solution of the problems in agrifood system, for the production intensification, enhancement of profitability and for the automation and mechanization of production process. • Is able to propose innovative and creative solutions, for the production, consumption processing of agrifood system, for the quality assurance of the product and for the provision of new qualified level of their service supplies to improve own knowledge and practical competences.

COMPETENCE	**5. Autonomy and responsibility (including learning skills)**	• Is able to conduct full professional activities, control professional functions and programs, to make independent decisions in the fields of agricultural production and other service areas. • Is able to perform tasks while understanding and contributing new technologies to the specialized learning process and work. • Is able to take responsibilities related to group work, mutual assistance and support enabling timely and qualified task performance. • Is able to enhance his own professional educational needs and/or career opportunities under a certain guide, to make independent decisions so as to continue further education in different environments. • Is able to communicate with foreign specialists of agrarian sphere to discuss specific production issues and to recommend solutions. • Is able to take personal responsibility for the country and nation pursuing the implementation of democratic principles and the propagation of national and universal values.	• Is able to carry out activities in the professional and/or study areas, which requires new managerial and changing strategic approaches towards complicated and unknown working situations. • Is able to solve problems of agricultural production depending on the ranking specialization of their branches, related to their strict professional approaches. • Is able to establish, lead and develop working or research team in the system of agrarian production and take responsibility for the professional progress of its member. • Is able to disclose his/her own learning needs and professional development requirements in strict professional fields of agrarian sector for the self-development and for further study in different branches. • Is able to communicate easily with the specialists of international scientific-education areas, discussing the current issues of the field and proposing solutions for them. • Is able to promote the development of the civic society, to associate the national value system with the universal ones.
Workload in ECTS credits		180-240	60-120