

Standard of Higher Education

Annex 1

Learning outcomes of studies at the level of higher education

1.1 In order to be awarded a bachelor's degree, a student of bachelor's studies must:

- have a systematic overview of the basic concepts, theoretical principles and research methods of the field of study;
- be able to identify interdisciplinary relationships;
- understand the scopes of application of different specialties of the field of study;
- know the theoretical schools, development trends and current problems of the specialisation;
- be able to formulate problems relating to the specialisation and to analyze and evaluate different solutions;
- be able to collect information independently using appropriate methods and means and to interpret it critically and creatively;
- be able to select and use appropriate technologies and methods when solving problems of the specialisation, and, among other things, be willing to participate in and lead team work;
- have the communication skills and command of information and communication technologies necessary for work;
- be able to explain orally or in written form in the language of instruction and in at least one foreign language problems relating to the specialisation, and to participate in professional discussions;
- be willing to actively participate in civil society and demonstrate tolerance towards diversity of attitudes and values;
- be able to evaluate the role of knowledge and the role and consequences of one's professional activities in society, with consideration of scientific, social and ethical aspects;
- be able to apply the acquired knowledge and skills in work, to continue studies and to engage in continuous independent professional development.

1.2 The learning outcomes achieved on graduation from a bachelor's study programme are in conformity with the general requirements described at the 6th level of the qualifications framework.

2.1 In order to be awarded a bachelor's degree, a student of professional higher education studies must:

- have a systematic overview of the basic concepts, theoretical principles and research methods of the specialisation;
- be able to identify interdisciplinary connections in the scopes of application of different specialisations;
- know current problems and potential applications of the specialisation;
- be able to formulate problems relating to the specialisation and to analyze and evaluate different solutions;
- be able to collect information independently, using appropriate methods and means and to interpret it critically and creatively;
- be able to select and use appropriate methods and technologies when solving problems of the specialisation within given frameworks, and to model and/or assess potential results on the basis of given information;

- show initiative in initiating projects as well as responsibility, leadership and team work skills in implementation thereof;
- have the communication skills and command of information and communication technologies necessary for work;
- be able to explain, both orally and in writing, in the language of instruction and in Estonian-language study programme in at least one foreign language, the problems relating to the specialisation, and to participate in professional discussions;
- be willing to actively participate in civil society and demonstrate tolerance towards diversity of attitudes and values;
- be able to evaluate the role and consequences of professional activities for the society, taking into account social and ethical aspects;
- be able to apply the acquired knowledge and skills at work, willing to engage as a specialist or entrepreneur in one's profession;
- be able to engage in continuous independent professional development.

2.2 The learning outcomes achieved on graduation from a professional higher education study programme are in conformity with the general requirements described at the 6th level of the qualifications framework.

3.1 In order to be awarded a master's degree (including upon completion of the integrated study programmes of bachelor's and master's studies), a student must:

- have a systematic overview and broad knowledge of concepts, theories and research methods of the field of study;
- know the theoretical development trends, current problems and potential applications of the specialisation;
- have in depth-knowledge in a narrower research field of the specialisation;
- be able to identify and create interdisciplinary relationships;
- be able to independently and creatively identify and formulate problems and/or research questions related to the specialisation and be able to solve them with appropriate measures within given timeframe and having limited information, applying knowledge from other areas to that end, when necessary;
- be able to select and use appropriate methods and technologies when solving problems of the specialisation, and to model and/or assess potential results;
- be able to critically evaluate one's activities when solving problems and/or research questions of the specialisation;
- be prepared to work in an area of activity requiring professional qualifications, showing initiative, responsibility, leadership and team work skills;
- be able to professionally disseminate one's knowledge by way of teaching, supervision or in another manner;
- be able to present and reason orally or in written form, in the language of instruction and a foreign language essential for one's specialisation, problems relating to the specialisation, conclusions and the underlying theories, and to participate in relevant discussions among both one's peers and non-specialists;
- be willing to actively participate in civil society and demonstrate tolerance towards diversity of attitudes and values;
- be able to act ethically in complex situations, be aware of the ethical aspects, possibilities, limitations and social role of one's activities and be able to provide reasoned judgements in issues concerning one's specialisation;

- be able to evaluate one's own need and the need of others for continuing education and professional development and have command of effective methods necessary for independent study;
- be able to continue studies or participate in research, act as a specialist or developer in one's field, including internationally.

3.2 The learning outcomes achieved on graduation from a master's study programme (including upon completion of the integrated study programmes of bachelor's and master's studies) are in conformity with the general requirements described at the 7th level of the qualifications framework.

4.1 In order to be awarded a doctoral degree, a student must:

- have broad knowledge and systematic overview of one's field of research and in-depth and up-to-date knowledge of a narrower area of the field of research;
- understand the meaning and scope of existing knowledge and research methods of the area of research and between areas so as to extend, reevaluate and formulate them as necessary;
- be able to independently and critically analyze, synthesize and evaluate new and complex ideas relating to the specialisation, as well as creatively and with scientific accuracy identify and formulate research questions;
- have command of research methods of one's area of research;
- be able to act independently in a complex, including international, work and study environment, including engaging in research which requires leadership and team work skills, innovative thinking and the ability of making strategic decisions;
- be able to initiate, design, implement and critically evaluate research and development projects that lead to new knowledge and new procedural solutions;
- be able to provide judgements based on research ethics, understand the possibilities and limitations of science, the social role of science and the human responsibility in the use of scientific achievements;
- be able to analyze social norms and relationships, be in line with them and if need be, take action to change them;
- be able to present orally or in written form the problems and conclusions relating to the field of research and one's own research, and the underlying theories, both to specialist audiences and when communicating with non-specialists, and to reasons and participate in relevant discussions in the language of instruction and a foreign language essential for one's specialisation, as well as to publish original research results in internationally peer reviewed academic publications or, in specialisations related to arts, creative works for international audience;
- have an ability to identify one's need of further knowledge or skills and support the studies of others both in the context of education and research as well as on a wider social level;
- be able to professionally disseminate one's knowledge by way of teaching, supervision or in another manner;

4.2 The learning outcomes achieved on graduation from a doctoral study programme are in conformity with the general requirements described at the 8th level of the qualifications framework.