

Code and title of specialty (direction): 152 «Metrology and Information-Measuring Technology».

Title of specialization: «Metrology and Measuring Equipment».

Code and title of the field of knowledge: 15 «Automation and Instrumentation».

Qualification: Master of Metrology and Measuring Equipment.

Number of credits: 120 ECTS credits.

Grade of higher education: The second (Master) one corresponds to the seventh qualification degree of the Ukrainian National Qualifications Frame.

Requirements to the previous education grade: A person has a right to get a Master degree under the condition of a Bachelor degree. If the previous degree was received in another country, a nostrification is required.

Qualification requirements: Higher education document is given to a person who completed the program successfully and was certified. Graduation certification is done by evaluating competence formation level. The form of certification is qualification paper defense.

Program study results: to use conceptual knowledge including knowledge of modern achievements for solving complex and unpredictable tasks and problems; to use theory, principles, methods and concepts of general engineering sciences in education and professional activity; to collect and interpret information and choose methods and tools to solve professional tasks; to apply innovative approaches to solve professional tasks; to inform specialists and non-specialists of information, ideas, problems and solutions and personal experience in the field of professional activity; to manage complex actions or projects; to form a communication strategy; to use a foreign language for professional purposes; to be responsible for the professional development of individuals and / or groups; to be in charge of decision-making under unpredictable conditions; to study with a high level of autonomy.

Technological professional activities: to design components of measuring systems and complexes; to introduce new materials and innovative technologies in the field of professional activity; to calculate and adjust modes of measuring systems and complexes for different operating conditions; to put into practice methods of diagnostics of efficiency and reliability level of measuring systems and complexes; to restore the quality properties of systems and technologies; to carry out metrological service of measuring systems and complexes.

Organizational professional activities: to perform technical maintenance of the stages of master's in automation and instrumentation activities; to provide legal and technical operation of measuring systems and complexes; to organize the use of measuring systems and complexes.

Management professional activities: to plan components of technological and organizational activities; to monitor components of technological and organizational activities; to improve components of technological and organizational activities.

Employment competences: Master on Speciality 152 «Metrology and Information-Measuring Technology» may hold positions in companies, small businesses and institutions as a researcher and consultant (in the field of engineering); a research engineer; a university teacher.

Further study perspective: Master on Speciality 152 «Metrology and Information-Measuring Technology» may continue studying in postgraduate doctoral studies program in Field 15 «Automation and Instrumentation».

Department graduating a student with degree: Department of Electrical Engineering.

Institute / Faculty: Faculty of Engineering.

Educational program supervisor: Professor, Doctor of Technical Sciences Kirichenko I. O., i_kir@ukr.net, +38 (095) 461 9767.