
5A430201 - "Electrical equipment and electrical supply of agro-industrial complex"	5A430201 - masters in the field of agro-industrial complex in electrical engineering and power supply; Teaching specialties in higher educational institutions, educational institutions for advanced training, retraining and secondary specialized vocational education; Development and implementation of research and development activities in the Academy of Sciences of the Republic of Uzbekistan and research institutes, research centers and design enterprises, improving the energy efficiency of agricultural processes at agricultural facilities; energy planning required for production processes; ASM energy consumers will be able to effectively respond to energy-related problems, including the use of QMSM-based solutions, participate in the supervision of the production process over compliance with environmental and labor protection requirements, as well as introduce methods of auditing and auditing energy in ACM. carry out their activities.
5A310201 - Power supply (water management)	5A310201 - Masters in the field of electric power supply (aquaculture) are academic, scientific and research organizations, scientific-research centers, scientific-production associations, organizations of higher and secondary special education, public administration bodies related to scientific, technical and technological issues production, transmission, distribution, distribution and accounting of electricity, operation of electrical equipment, energy surveillance, testing, installation of electricity, research, design and development of processes, processes and processes, their efficient use processes, research and development design institutes, and relevant professional colleges and higher education institutions. After graduating from the Master's Degree, postgraduate students can continue their research work at higher education institutions as well as senior research fellow researchers and independent researchers at the Academy of Sciences of the Republic of Uzbekistan and ITU.
5A311001 - Technological processes and automation of production (water economy)	5A311001 - Masters on technological processes and automation of production (aquaculture) in the Academy of Sciences of the Republic of Uzbekistan and branch research institutes; scientific-production centers; Higher education, retraining and retraining, specialization in secondary special and vocational education institutions; management and utilization of various technological processes and automated production control systems in water management; algorithms for solving common problems of state administration bodies, property of various types, industrial and business organizations, model tasks on automation of technological processes and production; research and development of automated technological processes, effective processes of their use, scientific-research and design-engineering processes, pedagogical activity in corresponding professional colleges and higher educational institutions. After graduating from the Master's Degree, postgraduate students can continue their research work at higher education institutions as well as senior research fellow researchers and independent researchers at the Academy of Sciences of the Republic of Uzbekistan and ITU.

Specialty 5A430502 - "Intelligent measuring systems and devices"	<p>The purpose of this course is to introduce modern intellectual information and measuring systems in irrigation systems and their introduction, analysis and synthesis of theoretical foundations of intellectual measuring systems, organization of intellectual measuring systems, processing and reflection of data, use of intellectual measuring systems and equipments in hydromeliorative systems. Optimal irrigation regime, automatic measurement and control of parameters of technological processes of hydromeliorative systems For example the study of theoretical and practical knowledge of the equipment, hydraulic and drainage systems to measure quality indicators and the technical means of control, to measure the intellectual and technical research; use of intellectual devices and equipment in automated management systems; and the formation of skills and knowledge in research activities of the subjects of measurement and control.</p> <p>Educational objectives: Design, construction, data transfer and receipt in the system, processing and reflection of information systems in the irrigation systems, providing the optimum regime for energy resource measurement and distribution, scientific researches in this area, methods of effective experiments the training of highly qualified specialists who have mastered their skills.</p> <p>Areas of Activity: Enterprises that control the quality of products in the enterprises producing, processing and exporting industrial, agricultural and water economy products, elements of intellectual measuring systems, complexes and instrumentation, technology of elements production and their software supply; Higher education institutions and relevant professional colleges; power plants, pumping stations and aggregates of water management departments; power supply systems of enterprises of the electric networks in the regions and districts; research and scientific and production facilities, energy monitoring and energy delivery systems in energy companies.</p>
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5A430503 - «Smart sensors and technology» specialty	<p>Learning objective: Knowledges and energy efficiency improvements by using electron measuring sensors, modern sensors, digital technology and technology in all sectors of industry, including rural and water economy networks, knowledge of the theoretical foundations of intelligent sensors and their production technologies, analysis and synthesis creating intelligent sensors and their production technologies, developing software for intelligent sensors. Formation of theoretical and practical knowledge on the issues of optimal working modes of electrotechnical devices, reduction of production costs by the use of intelligent sensors in agricultural production and irrigation systems, wide use of intelligent sensors; the formation of skills and skill in research activities of the subjects of measurement and control.</p> <p>Educational objectives: Providing optimal operating modes of electrotechnical devices through intellectual sensors, rural and water management systems, designing, building, manufacturing and production of local elements in the production of digital equipment, introduction of intelligent sensors, research, training highly qualified cadres who have perfectly mastered the methods of effective experiments.</p> <p>Fields of Activity: Production technology of industrial and agricultural products, controlling the quality of products in the enterprises, exporters of intellectual measuring devices and systems, digital technology and elements of digital instrumentation, technology of production of elements of digital systems, their software manufacturers ; Higher education institutions and relevant professional colleges; power plants, pumping stations and aggregates of agricultural and water management departments; enterprises engaged in export and import of joint ventures, machinery and technologies; research and scientific-production establishments; energy surveillance and power delivery systems for energy audit and energy sales companies.</p>
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