

Unofficial translation

According to the curriculum developed for the 60710500 – Electrical Engineering undergraduate program at Jizzakh Polytechnic Institute REVIEW

In developing the qualification requirements for the 60710500 – *Electrical Engineering* undergraduate program, adherence was ensured to the provisions of the Instruction No. 5002 of the Presidential Administration of the Republic of Uzbekistan dated April 3, 2018, the Resolution of the President of the Republic of Uzbekistan No. PQ-3775 dated June 5, 2018 “On Additional Measures to Improve the Quality of Education in Higher Education Institutions and Ensure Their Active Participation in the Large-Scale Reforms Being Implemented in the Country,” as well as the Resolutions No. PQ-4422 dated August 22, 2019 “On Urgent Measures to Enhance Energy Efficiency in Economic Sectors and the Social Sphere, Introduce Energy-Saving Technologies, and Develop Renewable Energy Sources,” and No. PQ-4779 dated July 10, 2020 “On Additional Measures to Enhance the Energy Efficiency of the Economy and Reduce Dependence of Economic Sectors on Fuel and Energy Products Through Mobilization of Existing Resources.”

The updated qualification requirements and curriculum for the 60710500 – *Electrical Engineering* undergraduate program have been harmonized with international best practices. Particular attention has been given to ensuring that learners develop in-depth knowledge, independent thinking, and high professional competence. The requirements clearly describe the acquisition of practical experience, skills, conceptual understanding, knowledge of the established requirements, and the ability to apply them effectively in practice during the learning process. The qualification requirements and curriculum widely incorporate the study of existing scientific and technological challenges, the search for their effective solutions using modern methods and technologies, participation in seminars, independent learning, and analytical processing of acquired information.

In developing the qualification requirements, the principles of integrating into the global educational space, utilizing advanced achievements of science and

technology, and considering the specific professional environment in which graduates will work were fully observed. The composition of subjects within the qualification blocks and their ratios have been reviewed to strengthen students' abilities to apply theoretical knowledge in their chosen specialty. The sequence and coherence of the subjects were ensured, and new disciplines were introduced in accordance with modern requirements.

During the development of the qualification requirements and curriculum, the needs and proposals of enterprises and organizations that serve as the primary consumers of trained personnel were taken into consideration.

In conclusion, the updated qualification requirements and curriculum for the 60710500 – *Electrical Engineering* undergraduate program are well-structured, aimed at bringing the higher education learning process up to international standards, and comprehensively address the issues related to preparing highly qualified specialists. They meet the requirements of the national standardization system of the Republic of Uzbekistan and are recommended for approval.

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**Jizzax politexnika institutida 60710500 – Elektr muhandisligi bakalavriat ta’lim
yo‘nalishi bo‘yicha ishlab chiqilgan o‘quv rejasiga
TAQ R I Z**

60710500 – Elektr muhandisligi bakalavriat ta’lim yo‘nalishi malaka talablarini ishlab chiqilishida O‘zbekiston Respublikasi Prezidenti Devonining 2018 yil 3 apreldagi 5002-sonli topshirig‘i va O‘zbekiston Respublikasi Prezidentining 5 iyundagi “Oliy ta’lim muassasalarida ta’lim sifatini oshirish va ularning mamlakatda amalga oshirilayotgan keng qamrovli islohotlarda faol ishtirokini ta’minlash bo‘yicha qo‘shimcha chora-tadbirlar to‘g‘risida”gi PQ-3775-sonli qarori hamda 2019 yil 22 avgustdagi PQ-4422 “Iqtisodiyot tarmoqlari va ijtimoiy sohaning energiya samaradorligini oshirish, energiya tejovchi texnologiyalarni joriy etish va qayta tiklanuvchi energiya manbalarini rivojlantirishning tezkor chora-tadbirlari to‘g‘risida”, 2020 yil 10 iyuldagi PQ-4779 “Iqtisodiyotning energiya samaradorligini oshirish va mavjud resurslarni jalb etish orqali iqtisodiyot tarmoqlarining yoqilg‘i-energetika mahsulotlariga qaramligini kamaytirishga doir qo‘shimcha chora-tadbirlar to‘g‘risida”gi qarorlari bilan tasdiqlangan tamoyillarga amal qilingan.

60710500 – Elektr muhandisligi bakalavriat ta’lim yo‘nalishi bo‘yicha tuzilgan yangilangan malaka talablari va o‘quv rejasini xorij tajribasi asosida uyg‘unlashtirilgan, ta’lim oluvchilarda chuqur bilim, mustaqil fikrlash, yuksak kasb-kor malakasi shakllanishini ta’minlashga alohida e’tibor qaratilgan, bakalavrlarning fanlarni o‘zlashtirish jarayonida tajriba, ko‘nikmalar hamda tasavvurga ega bo‘lish, qo‘yilgan talablarni bilishi va ulardan samarali foydalana olish kabilar to‘g‘ri ko‘rsatilgan. Malaka talablari va o‘quv rejasida fan oldida turgan dolzarb muammolarni o‘rganish va ularni ijobiy yechimini izlab topishda zamonaviy uslub va texnologiyalarga, seminar mashg‘ulotlariga, mustaqil bilim olish hamda olingan ma’lumotlarni tahlil qilishga keng o‘rin berilgan.

Malaka talablarini ishlab chiqishda talabaning kelgusida faoliyat olib boradigan ob‘yektlari misolida fan va texnikaning ilg‘or yutuqlaridan foydalangan holda jahon ta’lim makoniga integrallashtirish tamoyillariga amal qilingan. Malaka talablaridagi bloklar bo‘yicha fanlar tarkibi, ularning o‘zaro nisbatlari bitiruvchilarning tanlagan mutaxassisligi bo‘yicha olgan nazariy bilimlarini amaliyotda qo‘llay olish ko‘nikmasini kuchaytirish nuqtai nazaridan qayta ko‘rib chiqilgan. Fanlarni shakllantirishda ularning mazmuni jihatidan izchilligi ta’minlangan bo‘lib, bugungi kun talabidan kelib chiqib yangi fanlar kiritilgan.

Malaka talablari va o‘quv rejasini ishlab chiqishda asosiy kadr iste’molchilari bo‘lgan korxona va tashkilotlarning talab hamda takliflari inobatga olingan.

Xulosa qilib aytganda, 60710500 – Elektr muhandisligi bakalavriat ta’lim yo‘nalishi bo‘yicha bakalavrlar tayyorlash uchun tuzilgan yangilangan malaka talablari

va o'quv rejasi oliy ta'lim o'quv jarayonini jahon andozalari darajasiga yetkazishga yo'naltirilgan bo'lib, har tomonlama yetuk mutaxassislar tayyorlashga oid masalalarni o'z ichiga olgan va sifatli tuzilgan, O'zbekiston Respublikasi davlat standartlash tizimi qoidalari talablarini qoniqtiradi hamda uni tasdiqlashni taklif qilaman.

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