

According to the curriculum developed for the 60710400 – Power Engineering undergraduate program at Jizzakh Polytechnic Institute

REVIEW

In order to implement the Law of the Republic of Uzbekistan “On Education,” to fundamentally reform the content of education, and to ensure that the quality of trained specialists meets the requirements of the deep economic and social reforms being carried out in the country, as well as the advanced global standards in the development of education, science, engineering, and technologies, it is essential to define the content of qualification requirements.

The qualification requirements and curriculum of the 60710400 – *Power Engineering* undergraduate program have been developed in accordance with the Law of the Republic of Uzbekistan “On Education,” 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 Implemented in the Country,” the Order of the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan No. 259 dated June 9, 2023 “On Improving the Process of Developing Normative and Methodological Documents of Higher Education,” the Order of the Ministry of Higher Education, Science and Innovation No. 168 dated May 20, 2024 “On Amendments and Additions to the State Standard of the Republic of Uzbekistan O‘zDSt 3557:2021 ‘State Education Standard of Higher Education. Classifier of Higher Education Fields and Specialties,’” as well as other normative legal documents regulating the field of higher education and international best practices.

The curriculum for the undergraduate program has been developed based on the credit-module system and is designed to ensure that students acquire the required professional competencies through the mastery of compulsory and elective subjects, completion of internships, and the attainment of essential knowledge, skills, and professional qualifications.

The updated qualification requirements and curriculum for the 60710400 – *Power Engineering* program have been harmonized with international practices. Special attention is given to ensuring that learners develop in-depth knowledge, independent thinking, and high professional competence. The requirements clearly outline the acquisition of practical skills, competencies, and conceptual understanding throughout the learning process. The qualification requirements and curriculum allocate significant focus to studying current scientific and technical issues, seeking effective solutions using modern methods and technologies,

participation in seminars, independent learning, and analytical interpretation of acquired information.

The principles of democratization and humanization of education, preservation of national identity under conditions of globalization, and integration into the global educational space were adhered to when developing the qualification requirements. The structure of subjects within the qualification blocks and their ratios have been revised to strengthen students' ability to apply theoretical knowledge in practice. The distribution of the time budget for each discipline—covering theoretical, practical, experimental, and independent study hours—is aimed at reinforcing theoretical knowledge and forming strong practical application skills.

In developing the qualification requirements and curriculum, the needs and proposals of related higher education institutions were also taken into consideration.

In conclusion, the updated qualification requirements and curriculum for the 60710400 – *Power Engineering* undergraduate program are well-structured and aim to elevate the higher education process to international standards. They comprehensively address the tasks of training highly qualified specialists, fully 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 60710400 – Energetika muhandisligi ta’lim
yo‘nalishi bo‘yicha ishlab chiqilgan o‘quv rejasiga
TAQ R I Z**

“Ta’lim to‘g‘risida”gi O‘zbekiston Respublikasi Qonunini ijro etish, ta’lim mazmunini tubdan isloh qilish, tayyorlanayotgan kadrlar sifatining respublikada amalga oshirilayotgan chuqur iqtisodiy va ijtimoiy islohotlar talablariga, shuningdek ta’lim, fan, texnika va texnologiyalar rivojlanishining ilg‘or jahon darajasiga muvofiqligini ta’minlash bevosita malaka talablarining mazmuniga bog‘liq.

60710400 – Energetika muhandisligi ta’lim yo‘nalishining malaka talablari va o‘quv rejasi O‘zbekiston Respublikasining “Ta’lim to‘g‘risida”, qonuni, O‘zbekiston Respublikasi Prezidentining 2018 yil 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, O‘zR OTFIVning 2023 yil 9 iyundagi “Oliy ta’limning me‘yoriy-uslubiy hujjatlarini ishlab chiqish jarayonini takomillashtirish to‘g‘risida”gi 259-sonli hamda O‘zR OTFIVning 2024 yil 20 maydagi “O‘z DSt 3557:2021 “Oliy ta’limning davlat ta’lim standarti. Oliy ta’lim yo‘nalishlari va mutaxassisliklari klassifikatori” O‘zbekiston Respublikasining Davlat standartiga o‘zgartirish va qo‘shimchalar kiritish to‘g‘risida”gi 168-sonli buyruqlari, oliy ta’lim sohasini tartibga soluvchi boshqa normativ huquqiy hujjatlarga hamda xorij tajribalariga muvofiq ishlab chiqilgan.

Bakalavriat ta’lim yo‘nalishi o‘quv rejasi kredit-modul tizimi asosida shakllantirilgan va kasbiy kompetensiyalariga qo‘yiladigan talablarga muvofiq, talabalar majburiy va tanlov fanlarini o‘zlashtirishi, amaliyotlarni o‘tishi va natijada kasbiy faoliyatida zarur bilim, ko‘nikma va malaka kompetensiyalarini egallashini ta’minlovchi mazmunda ishlab chiqilgan.

60710400 – Energetika muhandisligi ta’lim yo‘nalishi bo‘yicha tuzilgan yangilangan malaka talablari va o‘quv rejasi xorij tajribasi asosida uyg‘unlashtirilgan, ta’lim oluvchilapda chuqur bilim, mustaqil fikrlash, yuksak kasb-kop 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 va texnika 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 ta’limni demokratlashtirish, insonparvarlashtirish, globallashtirish sharoitida o‘ziga xoslikni saqlash va 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. Fanlar uchun belgilangan vaqt budjetining nazariy, amaliy, tajriba, mustaqil ishlar uchun taqsimoti bitiruvchining nazariy bilimlarini mustahkamlash va ularni amaliyotda muvaffaqiyat bilan qo'llash ko'nikmasini shakllantirishga qaratilgan.

Malaka talablari va o'quv rejasini ishlab chiqishda turdosh oliy ta'lim muassasalaining talab va takliflari inobatga olingan.

Xulosa qilib aytganda, 60710400 – Energetika muhandisligi ta'lim yo'nalishi bo'yicha bakalavrlar tayyorlash uchun tuzilgan yangilangan malaka talablari va o'quv rejasini 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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