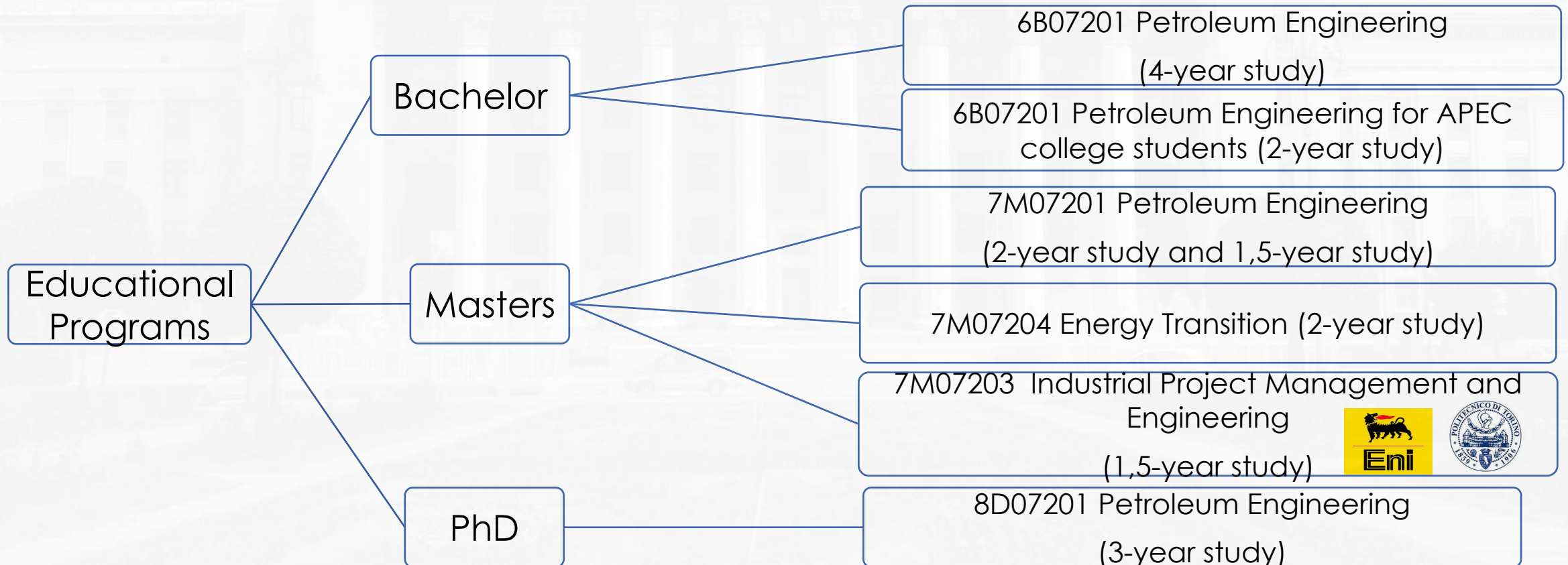


Overview of School of Energy & Petroleum Industry



Brief Overview of School

The School of Energy & Petroleum Industry is one of the first schools of KBTU, created in 2001. Today, the School of Energy & Petroleum Industry has more than 700 undergraduate, graduate and PhD students, 7 Professors, 3 Assistants of Professors, 13 Senior Lecturers.



New Educational Program

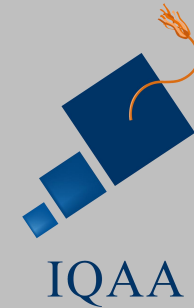
New educational program in the direction of "Energy Transition in Petroleum Industry" for the master's degree has been recently launched.

List of courses for “Energy Transition”

Introduction to Energy Transition: Demand, Technologies and Economics
Carbon Capture, Utilization and Storage (CCUS)
Geothermal Energy
Economics Of Energy Transitions
Solar Energy: Photovoltaic (PV) Systems
Wind Energy
Energy from Biomass
Waves and Hydro Energy
Sustainable Development: Goals and Politics
Energy and Transitions Management
Strategic Analysis For The Energy Sector

Accreditation of Educational Programs

- The educational programs of SEPI were accredited by the UK Institute of Marine Engineering Science and Technology (IMarEST), a Royal Charter and licensed by the Board of Engineers of the United Kingdom from 2009 to 2014.
- Nowadays, SEPI is planning to renew IMAREST accreditation, and visit is planned in 2024.
- The educational programs of SEPI are accredited by the IQAA agency (Independent Agency for Quality Assurance in Education)
- The educational programs of SEPI are accredited by Union of legal entities «Kazakhstan Association for Modern (Elite) Education KAZSEE» with the receipt of the EUR-ACE certificate for entry into the pan-European register of accredited engineering programs.



School Laboratories



Drilling Engineering (SEZ PIT)

Based on SEPI, students can undergo an educational and introductory practice in the SEZ PIT "Alatau".



Reservoir Engineering (337 & 339)

Laboratory Class of "Baker Hughes"

Eclipse, Petrel, PIPESIM, Techlog, Integrated Production Modeling (IPM), JewelSuite, tNavigator



Pipeline Engineering (32)

RMK laboratory complex



Mechanical Engineering (Oil Field Equipment) (359)

3D printing laboratory

Special Economic Zone (SEZ), Park of Innovation Technologies “Alatau”

- The training and simulation drilling center of the Kazakh-British Technical University - KBTU Drilling Center, is currently training future oil drillers of SEPI and engineers of KMA.



Launching a HUB of Oil & Gas Universities

Even though Energy Transition is inevitable process, the traditional Oil & Gas Industry will supply the energy sector as a main source until 2050.

The concept of launching this HUB propose the following actions:

At 18th of September within the framework of XXIV WPC event, the propose was approved.



Host Capacity-Building Workshops on Petroleum Engineering and Energy Transition.



1. Host guest lectures/panels with experts in energy sector, academics and professionals. These lectures can either be a focus on a particular topic, or an informal coffee chat where the guest can share their career experiences with students and offer advice.



Develop academic exchange programs between Network universities, which are specifically focused on enhancing competencies of students



1. Summer School to attract students for gaining practical knowledge.

Strategic Vision - Internationalization

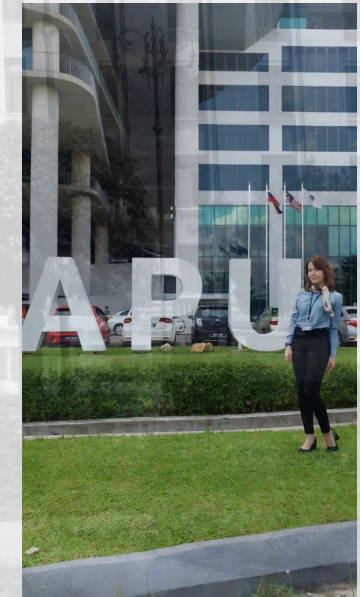
- Developing a strong partnership with leading universities, centers for programs of double degrees and academic mobility has always been our priority.
- In terms of academic mobility programs and student exchange, we had an experience with following: Heriot-Watt University, University of Aberdeen, Robert Gordon University, Baku Higher Oil School, Petronas University of Malaysia, USPTU and etc.



BAKI ALI NEFT MƏKTƏBİ
BAKU HIGHER OIL SCHOOL



UTP
UNIVERSITI TEKNOLOGI PETRONAS



On May 29, 2024, a meeting was held with representatives of China University of Petroleum (East China) to sign an agreement on the implementation of a joint double degree program between the bachelor's degree program "6B07201 – Petroleum Engineering" at KBTU and the program "081502 – Petroleum Engineering" at China University of Petroleum (East China).



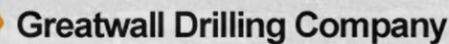
Internationalization- Robert Gordon University

- Developing a strong partnership with leading universities, centers for programs of double degrees and academic mobility has always been our priority.
- During the visit of Abdulakhat Ismailov to Robert Gordon University, the Memorandum of Understanding was signed between universities regarding Doctor of Engineering (DEng) and other scientific areas.



Employment of Graduates

According to the rating of the National Chamber of Entrepreneurs "Atameken", the employment rate of graduates of the specialty "Oil and Gas Engineering" is more than 87% and ranks 1st among educational programs in this specialty.



THANKS FOR ATTENTION

www.kbtu.kz