| **Program name** | Bachelor's degree program  
**Electrical Power Engineering and Electrical Engineering** |
|-----------------|-------------------------------------------------------------------------------------------------|
| **Key facts**   | The training gives the competencies necessary for:  
  - Application of new equipment and technologies in specific activities  
  - Design and operation of power facilities  
  - Planning and conducting research in their field of activity  
  The graduates can work as specialists and managers at power plants, in power grid companies at various levels, in the structure of the wholesale and retail electricity market, dispatch control of power systems, in electrical facilities of industrial, agricultural, transport enterprises, housing and utilities services, state agencies, etc. |
| **Program length** | 4 years – full-time  
5 years – part-time |
| **Starting date** | September, 1st |
| **Language of instruction** | Russian |
| **Prerequisites** | – secondary and (or) secondary vocational education  
– passing entrance examinations |
| **Tuition fee per year** | 146,132 roubles per year (~ 1,953 USD), full-time  
40,742 roubles per year (~ 544,55 USD), part-time |
| **Program leader/team** | Gennady Chistyakov,  
Candidate of Science in Engineering, head of the Department of Electrical Power Engineering, Khakass Technical University (branch of Siberian Federal University) |
| **Qualification** | Bachelor of Science |
| **Skills/ objectives** | – Design of power supply systems and their elements  
– Feasibility study of design calculations  
– Maintenance and repair of power electrical equipment and power lines  
– Installation, adjustment and testing of electrical power equipment and electric power transmission lines  
– Mathematical modelling of electrical and energy systems and processes in them  
– Energy audit and development of measures to improve energy efficiency |
| **Curriculum** | – Theoretical fundamentals of electrical engineering  
– Electrical and structural materials science  
– Electric machines  
– Power stations and substations;  
– Transient processes in electric power systems  
– Electric power systems and networks  
– Management of an electric power company  
– Electrical safety  
– Electric drive  
– Typical electric drive  
– Power supply  
– Power supply systems |
| **Contacts** | E-mail: energo@khti.ru  
Phone: +7 (3902) 35-73-18  
Phone: +7 (913) 444-40-37  
Address: office 314, 15, ul. Komarova, Abakan |