

<p style="text-align: center;">Area of study</p> <p style="text-align: center;"><b>13.03.02 Electric Power Engineering and Electrical Engineering</b></p> <p>Degree: <i>bachelor</i></p> <p>Duration of training: <i>4 years</i></p> <p>Form of training: <i>intramural/extramural</i></p> <p>Language of instruction: <i>Russian</i></p> <p>Accreditation: <i>state</i></p>	<p style="text-align: center;"><b>Program description:</b></p> <p>You will master technical means and methods of implementation of processes: production, delivery, distribution, conversion, application and control of electric energy flows.</p> <p>Gain experience in design, operation and maintenance of electrical equipment of enterprises, organizations, institutions, electric transport and cars.</p> <p>Receive skills of professional specialists who are able to integrate into the modern industrial and economic space, operate, carry out diagnostics, repair modern electrical equipment of organizations and institutions, cars and electric transport.</p> <p><b>Basic courses:</b></p> <ul style="list-style-type: none"> <li>- Electronics and Circuit Engineering</li> <li>- Electric Machines</li> <li>- Automation of Power Supply Systems Management</li> </ul> <p><b>Special courses:</b></p> <ul style="list-style-type: none"> <li>- Microprocessor Technology and Microcontrollers</li> <li>- Computer-aided Design Systems in Electrical Engineering</li> <li>- Electronics and Automation Systems and Electric Vehicles Reliability</li> <li>- Diagnostics of Electrical Equipment and Promising Systems of Cars and Tractors Electrical Equipment</li> </ul> <p><b>Research areas:</b></p> <ul style="list-style-type: none"> <li>• Development of efficient systems of production, distribution and consumption of electricity using modern technologies in the field of solar and wind power;</li> <li>• Design, diagnostics, service and repair of electrical equipment of cars.</li> </ul>	<p>Graduates of the program work as managers, engineers and experts at enterprises of any industry where electrical equipment is operated, in regional centers of energy saving and research and production firms involved in the development, manufacture, diagnosis and maintenance of electrical equipment, including electrical systems of automobiles and electric transport.</p> <p><b>Contacts of the program director:</b> Candidate of Sciences, Associate Professor Voloschenko Yuri Petrovich E-mail: voloschenkoyup@sfedu.ru Website: <a href="https://modellingelectrical.weebly.com/">https://modellingelectrical.weebly.com/</a> Scopus/WoS profile: 57199327851/C -3657-2016</p> 
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