About the School of Electrical and Electronic Engineering (HUST)

The School of Electrical and Electronic Engineering of Harbin University of Science and Technology is a school of engineering that combines strong and weak electricity. The main disciplines were founded in 1950. There are three undergraduate majors in electrical engineering and automation, electronic information engineering and new energy materials and devices.

Among them, the **electrical engineering and automation** majors are national first-class specialty majors, the Ministry of Education's undergraduate major comprehensive reform pilot majors, the Chinese engineering education certification major, and the country's first batch of first-class professional construction sites;

The electronic information engineering major is the Chinese engineering education certification major, the national The first batch of first-class professional construction sites;

New energy materials and devices are characteristic majors established in response to the country's strategic emerging industries.

At present, there are more than 2,400 full-time undergraduates and more than 700 master and doctoral students in the school.Over the past 70 years, the School worked hard to cultivate tens of thousands of outstanding talents for the development and progress of the national electrical equipment manufacturing industry and electronic information industry.

The School has a strong faculty. There are 156 full-time teachers, 45 professors, 48 associate professors, 27 doctoral supervisors, and 82 master supervisors. There are 1 academician of the Chinese Academy of Engineering, 3 national outstanding talents, 4 "Longjiang Scholars" distinguished and lecture professors, 1 national outstanding teacher, 6 special government allowances from the State Council, 2 new century outstanding talents from the Ministry of Education, provincial There are 3 outstanding youths, 2 provincial new century outstanding talents, 4 provincial-level teaching teachers, 2 scientific and technological innovation teams of universities in Heilongjiang Province, 3 provincial-level leading talent echelons, and 1 provincial-level teaching team.

The School has established a complete bachelor, master, and doctoral training system, and has a provincial key first-level discipline doctorate and master degree authorization points in electrical engineering, covering high voltage and insulation technology, electrical machinery and electrical appliances, power electronics and power transmission, and new electrical engineering theory. There are five secondary disciplines of technology, power system and automation, among which high voltage and insulation technology are national key disciplines, electrical machinery and electrical appliances are national defense specialty disciplines, and power electronics and power transmission are provincial key disciplines. At the same time, it has a master's degree authorization point in information and communication engineering, a master degree authorization point in the field of electrical engineering and electronic and communication engineering, and a post-doctoral mobile station in electrical engineering.

The School has established a national key laboratory cultivation base for dielectric engineering, a national and local joint engineering research center for large-scale electrical and heat transfer technology, a key laboratory of the Ministry of Education for engineering dielectrics and their applications, and the Ministry of Education for Automotive Electronic Drive Control and System Integration Engineering Research Center, Heilongjiang Province Advanced Electrical Equipment Manufacturing and Intelligent Operation Collaborative Innovation Center, Motor and Its Control Heilongjiang Provincial General University Key Laboratory, Heilongjiang Province Special/UHV Power Equipment Insulation Technology Innovation Service Platform, Electrical Engineering National Experimental Teaching Demonstration Center , Heilongjiang Province Virtual Simulation Experimental Teaching Center, National Engineering Practice Education Center for Electrical Equipment Manufacturing, National Engineering Practice Education Center for Motors and Controls, National Engineering Practice Education Center for High Voltage and Insulation Technology, Heilongjiang Province Revitalization of Northeast Old Industrial Base Electric Power Talents and Power Stations There are 13 national, provincial and ministerial teaching and

research platforms including the complete equipment talent training center, the high-voltage power equipment testing and condition assessment provincial graduate training innovation practice demonstration base.

Relying on the national, provincial and ministerial teaching and research platforms, the School has established a provincial-level teaching team of electrical engineering in Heilongjiang Province, a leading talent echelon of Heilongjiang Province in high voltage and insulation technology, a leading talent echelon of Heilongjiang Province in electric motors and electrical appliances, and power electronics and power transmission in Heilongjiang Province Leading talent echelon, high-voltage insulation and testing technology, Heilongjiang Province University Science and Technology Innovation Team, Automotive Electronic Drive Control Heilongjiang Province University Science and Technology Innovation Team and other teaching and research teams. Completed the national quality course "Electrical Engineering", the national quality resource sharing course "Electrical Engineering", the national quality video open class "Introduction to Electrical Engineering and Automation", the national planning textbook "Electrical Engineering" and "PLC electrical control" And Configuration Design.

The School has undertaken a series of national, provincial and ministerial scientific research projects. Power transmission projects, 1000MW giant hydroelectric generators, large steam turbine generators, large nuclear power units, pumped storage units, electric drive systems for new energy vehicles, informatization and intelligent transformation and other series of projects have been used in the construction of a series of projects. It has achieved fruitful research results and significant social and economic benefits. In the past five years, the college has undertaken 4 "973" projects, 3 national "863 Program" projects, 3 national major scientific and technological special projects, 2 national key research and development projects, 2 national natural science fund key projects, general and There are 37 youth projects, 4 international cooperation projects, 72 provincial-level scientific research projects, 53 department-level scientific research projects, and 353 corporate cooperation projects; scientific research achievements have won 1 provincial and ministerial first prize, 5 second prizes, 3 third prizes; 124 invention patents and 657 utility models have been authorized; 6 textbooks have been published; more than 800 academic papers have been published, of which 486 are collected by SCI and EI.

Over the years, the School has maintained good project cooperation and academic exchanges with relevant universities in the United States, Canada, Japan, Russia, Belarus, Poland, South Africa, the European Union and other countries, and has hired many well-known scholars at home and abroad as guest professors of the college. In the past five years, the key teachers of the college have participated in more than 210 international academic exchanges, more than 400 domestic academic exchanges, and more than 50 well-known experts and scholars at home and abroad have been invited to the college to give academic reports or academic exchanges.

The School encourages and supports students to actively participate in various innovative and entrepreneurial activities, science and technology and cultural and sports competitions in line with the work requirements of "focusing on students", "caring for students" and "serving students". In the past three years, students have won more than 160 national awards, More than 270 provincial and ministerial awards.