



**Hanoi  
University of  
Science and  
Technology**

**School of  
Electrical  
Engineering**

#### Special Undergraduate Programs

- Talented-engineer program in automatic control
- Excellent-engineer program in industrial informatics
- Advanced program in electrical and electronic engineering (conducted in English)
- Power systems and renewable energy

#### Doctoral Programs

- Power systems
- Electrical machines
- Control systems
- Automation
- Control theory
- Instrumentation

Dai Co Viet Str.

SEE (3<sup>RD</sup> FLOOR)

Gia  
i  
Ph  
ong  
Rd.

#### About Hanoi University of Science and Technology

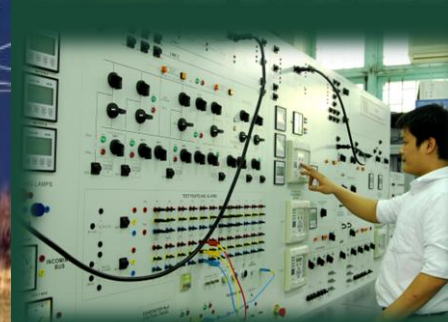
Hanoi University of Science and Technology (HUST) is a leading public university in Vietnam, training students and conducting research to create the future for a prosperous and sustainable nation. HUST offers undergraduate and graduate degree programs in electrical engineering, mechanical engineering, transportation engineering, electronics & telecommunication, information & communication, bio & food technology, economics & management ...



**Hanoi University of Science and Technology**  
01, Dai Co Viet, Hanoi, Vietnam  
Website: [www.hut.edu.vn](http://www.hut.edu.vn)

#### School of Electrical Engineering

Office: Building C1, Rooms: 319-323  
Phone: +84-4-3869-8211  
Fax: +84-4-3623-1478  
Email: [ee@mail.hut.edu.vn](mailto:ee@mail.hut.edu.vn)  
Website: [www.ee.hut.edu.vn](http://www.ee.hut.edu.vn)



**Education  
R&D  
Consulting**





## A view of SEE

Established in 1958, the School of Electrical Engineering (SEE) is one of the founding members of Hanoi University of Science and Technology (HUST), Vietnam's leading technical university.



Built on a tradition of excellence, the School is renowned for its high academic standards, strong faculty and enrolment competency. The actual undergraduate enrolment stands around 2000 making it one of the largest EE institutions in the country.

Currently, there are over 150 academic, research and support staffs working in various areas such as power systems, electromagnetic field, electric machines, control systems, automation, electrical drives, power electronics, instrumentation, signal processing...



The School has several laboratories equipped with modern research tools and teaching facilities for training from basic to advanced levels. Some laboratories are in cooperation with industrial partners such as Siemens, Allen-Bradley, ABB, GE, Schneider Electric, Texas Instruments, Omron...

## Education

Graduates of the school of EE have the attitudes, skills and knowledge allowing them to handle new technical challenges, contribute effectively as team members, and be innovators in the analysis, control and implementation of electrical systems. They are able to interact responsibly with colleagues, employers, clients and society.

The SEE faculty members are active in professional societies and have received several awards. They have authored numerous books that are widely used as textbooks by other universities in the country.

***The current degree programs are as follows:***

**Engineer's diploma** (5 years)

**Bachelor's degree** (4 years)

**Master degree:** MSc&MEng (1-2 years)

**Doctorate degree:** (3-4 years)

***Short-term training programs for the industry:***

- SCADA and substation automation
- Industrial process control and monitoring
- Industrial equipment maintenance
- Power system operation and control
- Electrical drives
- Integration of control systems using Rockwell Automation, ABB, Siemens, Omron products
- ...



## Consulting and Professional Services

SEE actively collaborate with the industry to bring innovative technologies and professional services to customers in a time - and cost effective manner. Examples include:

- Design of SVC, STATCOM, FACTS...
- Power quality analysis and solutions
- Supervisory control and data acquisition (SCADA)
- Power system reliability improvement
- Substation and distribution system automation
- Application of new materials in manufacturing electrical machines
- Design and implementation of high-power, high-voltage power electronic devices
- Development and integration of measuring, automatic control systems for manufacturing processes.
- Energy saving solutions to electrical machine drive systems
- Building management system (BMS)
- Quality management system for measuring instruments
- Development of digital excitation systems and power control units for generators
- ...



At the School of EE, we facilitate close working relationships between faculty members and students and encourage interdisciplinary research that stresses the integration of theory and implementation as well as mathematical depth. Some recent research areas are:

- Integration of renewable sources in smart grid
- Optimization of nonlinear models and applications to energy systems
- Automatic design and optimal design of electrical devices
- Specific electrical machine design
- Design of industrial, medical, environmental measuring instruments
- Signal processing, multimedia
- Industrial process control optimization
- Design and control of power converters for renewable, distributed energy sources
- ...



Having the strong educational background provided by HUST, many of our alumni have proved themselves to be successful in their professional life, working in industry, academia and research. SEE alumni are holding important roles in the largest companies of the country such as Vietnam Electricity (EVN), LILAMA Corp., PVPOWER, ect.