

MASTER OF ELECTRICAL ENGINEERING (8520201)

Overview:

Tuition Fee: \$2000/2-years program taught in Vietnamese
\$5000/2-years program taught in English.

Dormitory Fee: From \$30/month.

Admission: June and December annually.

Study period: 18 – 24 months.

Study time: On Saturday and Sunday.

Introduce to the Program:

The Master training program of the major Electrical Engineering combines two narrow majors Electrical Engineering and Energy Management. The students will study fundamental and mandatory courses, then students will select the specialized orientation with the specialized elective courses. This provides students with practical knowledge to develop their careers and to do researches. This combination is also a special feature of the Master degree training program of the major Electrical Engineering of TDTU compared to training programs of other Universities.

Besides, to make the curricula have applicability and catch up with the curricula of other reputable Universities in the world, the Faculty Of Electrical & Electronics Engineering of TDTU referred the post-graduate curricula of many Universities such as Massachusetts Institute of Technology (MIT); University of Manchester; University of New South Wales (UNSW Sydney),...

The lecturers are experienced in doing researches, work well in the field of training Electrical Engineering, and graduated from reputable Universities.



Program structure:

The program is divided into 3 large courses which are progressed in 3 semesters, as below:

- **1st Semester:** Students will study general and fundamental courses.
- **2nd Semester:** Students will study specialist courses.
- **3rd Semester:** Students prepare master's dissertation in 6 months.

ADDRESS

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Curriculum of Master program in Electrical Engineering:

Course Code	Course title	Credit	Theory
A. General Knowledge		15	
FL700000	English	10	10
SH700000	Philosophy	3	3
IN700000	Research Methods	2	2
B. Fundamental and Specialist knowledge		30	
B.1 Mandatory courses			
EE703040	Intelligent Control	3	3
EE701010	Power System Stability And Optimization	3	3
EE701020	Electricity Market Structure And Operation	3	3
B.2 Selective courses (select 21 credits, including 01 Advanced Topic)			
EE703100	Advanced power electronics and applications	3	3
EE703110	Automation control for motor drives	3	3
EE701030	Renewable sources and applications	3	3
EE701040	Advanced power system protection and control	3	3
EE701050	SCADA and Substation Automation	3	3
EE701060	Smart Grid	3	3
EE701070	Flexible AC transmission and HVDC	3	3
EE701080	Demand Side management	3	3
EE701090	Power Quality Management	3	3
EE701100	Reliability analysis and risk management in power systems	3	3
EE701110	Energy Management and Efficiency	3	3
EE701120	Analyzing and Managing Energy Projects	3	3
EE701130	Power system analysis	3	3
EE701140	Advanced Topics in modern technology of electrical engineering fields	3	3
EE701150	Advanced Topics in Electric safety and reliability	3	3
EE701160	Advanced Topics in Energy measurement and supervisory	3	3
EE701170	Advanced Topics in energy saving, renewable and green energy technology	3	3
EE701180	Advanced Topics in Electricity market	3	3
C. Master thesis		15	
EE701000	Master's Thesis	15	0

