

MASTER OF AUTOMATION AND CONTROL ENGINEERING (8520216)

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 month.
Study time: On Saturday and Sunday.

Introduce to the Program:

The Master training program of the major Automation And Control Engineering is updated constantly and sticks closely to the world's tendency. Besides, the training program has high applicability and focuses on the fields of technology that are emerging in the current time to ensure that students can catch up with the 4.0 Industrial Revolution.



The faculty of Electrical & Electronics Engineering surveyed the training programs of many universities in the Top 100 Universities in the world such as Massachusetts Institute of Technology (MIT), Nanyang Technological University, Singapore (NTU), National University of Singapore (NUS), The Hong Kong University of Science and Technology (HKUST), McGill University, The University of Manchester, University of Bristol, The University of New South Wales (UNSW Sydney), Technical University of Munich (TUM), Ohio State University (OSU), KTH Royal Institute of Technology (KTH).

The lecturers have profound experience in doing research, works well in the field of training Automation And Control Engineering, and graduated from reputable foreign 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 Automation and Control 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			
EE703020	Nonlinear and Adaptive Control	3	3
EE703030	Optimal and Robust Control	3	3
EE703040	Intelligent Control	3	3
B.2 Selective courses (select at least 21 credits, including 01 Advanced Topics)			
EE703010	MuTheoryivariable Control	3	3
EE703050	Microcontroller and Embedded Systems	3	3
EE703060	Robotics	3	3
EE703070	Modelling & System Identification	3	3
EE703080	Automation for Process Control	3	3
EE703090	CIM & FMS	3	3
EE703100	Advanced Power Electronics and Applications	3	3
EE703110	Automation Control for Electrical Drives	3	3
EE702140	Advanced Digital Image Processing	3	3
EE702150	Advanced Digital Signal Processing	3	3
EE702160	Wireless Sensor Network	3	3
EE703150	VHDL	3	3
EE701050	Renewable Sources and Applications	3	3
EE703160	Advanced Topics in Robot	3	3
EE703170	Advanced Topics in Mechatronics	3	3
EE703190	Advanced Topics in Control of Electrical Drives	3	3
EE703180	Advanced Topics in Measurement	3	3
C. Master thesis		15	
EE703000	Master's Thesis	15	0
Total		60	

