

MASTER OF CHEMICAL ENGINEERING (8520301)

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:

Two main target candidates of the Chemical Engineering Master Program are: (1) Engineers who are working in projects at the research institute or for business; (2) Chemical subject's lecturers/teachers who are working at universities, colleges, vocational colleges, high schools. The program is referred and built from prestigious universities on over the world to provide.

The training program is designed on summarizing all knowledge about Chemistry: organic chemistry, inorganic chemistry, and chemical analysis along with new and specialized applications in cosmetics, ceramics, electrochemical, fertilizer, polymer, rubber, composite, paint.

Teaching staffs are experienced lecturers in researching and educating in the field. Most graduated from famous 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 Chemical Engineering:

Course Code	Course title	Credit	Theory	Practice Experiment Discussion
A. General Knowledge		15		
FL700000	English	10	10	0
SH700000	Philosophy	3	3	0
IN700000	Research Methods	2	2	0
B. Fundamental and Specialist knowledge		32		
B.1.Mandatory courses				
AS701010	Advanced organic chemistry	3	2	1
AS701020	Analytical methods in organic structure elucidation	3	2	1
B.2 Selective courses (select at least 24 credits, including 01 Advanced Topic)				
AS701060	Green chemistry	2	1	1
AS701030	Chemistry of natural products	3	2	1
AS701040	Nano chemistry	3	2	1
AS701050	Medicinal chemistry	3	2	1
AS701070	Synthesis of inorganic materials	2	1	1
AS701080	Environmental chemistry	2	1	1
AS701090	Advanced methods in inorganic synthesis	2	1	1
AS701100	Modern organic materials	2	1	1
AS701110	Techniques in the synthesis of bioactive compounds	2	1	1
AS701120	Modern inorganic materials	2	1	1
AS701130	Transition metal complexes	2	1	1
AS701140	Chemistry of dyeing and dyeing technology	2	2	0
AS701150	Nanotechnology in Biomedical applications	2	2	0
AS701160	Research seminar 1	3	0	3
AS701170	Research seminar 2	3	0	3
AS701190	Research seminar 3	3	0	3
C. Master thesis		15		
AS701180	Master's Thesis	15	0	0
Total		60		

