Faculty of Engineering

Doctor of Engineering Program in Chemical Engineering

It is hoped that graduates who graduate from this program will have advanced research and development capabilities in chemical engineering, along with the development of learning skills and skills in various fields by using various teaching strategies. The program encourages learners to learn by themselves as an important guideline in order for the learners to understand deeply the learning process in order to gain knowledge and skills, including internationalization and to be both a leader and a good follower.

Applicant Qualifications

Plan 2.1 Applicants must complete Master's Degree in Chemical Engineering (M.Eng.), or other related fields or

Plan 2.2 Applicants must complete Bachelor's Degree with honors in Chemical Engineering (B.Eng.), or other related fields

Applicants must submit the English Proficiency Test Score as part of their application according to the KMUTT announcement on the English Language Requirement for Doctoral Degree.

Professions after Graduation

1. Research and process development personnel to create products, technology, and innovations in chemical engineering.
2. Lecturers/academics in chemical engineering
3. Technology managers
4. Production process engineers, Operation unit design and production process engineers, Technical consulting and technical services engineers

Curriculum

Plan 2.1 for student with Master degree	48 Credits
Plan 2.2 for student with Bachelor degree	73 Credits

Faculty of Engineering

Doctor of Engineering Program in Chemical Engineering

Curriculum Components

Plan.2 1 for student with Master degree

- Compulsory - Credits
- Elective Course 12 Credits
- Dissertation 36 Credits

Plan 2.2 for student with Bachelor degree

- Compulsory 13 Credits
- Elective Course 12 Credits
- Dissertation 48 Credits

COURSE STRUCTURE

Plan 2.1 for student with Master Degree

First Year

First Semester	**Credits**
CHE xxx Elective Course 1	3(3-0-9)
CHE xxx Elective Course 2	3(3-0-9)
Total 6(6-0-18)	

Second Semester	**Credits**
CHE xxx Elective Course 3	3(3-0-9)
CHE 787 Dissertation	4(0-8-16)
Total	7(3-8-25)

Second Year

First Semester	**Credits**
CHE xxx Elective Course 4	3(3-0-9)
CHE 787 Dissertation	6(0-12-24)
Total	9(3-12-33)

Second Semester	**Credits**
CHE 787 Dissertation	10(0-20-40)
Total	10(0-20-40)

Faculty of Engineering

Doctor of Engineering Program in Chemical Engineering

Third Year

First Semester	**Credits**
CHE 787 Dissertation	10(0-20-40)
Total	10(0-20-40)

Second Semester	**Credits**
CHE 787 Dissertation	6(0-12-24)
Total	6(0-12-24)

Plan 2.2 for student with Bachelor degree

First Year First Semester

CHE 644	Applied Chemical Engineering Thermodynamics	3(3-0-9)
CHE 651	Mathematical Analysis for Chemical Engineering	3(3-0-9)
CHE xxx	Elective 1	3(3-0-9)
CHE xxx	Elective 2	3(3-0-9)
	Total	12(12-0-36)

First Year Second Semester

CHE 610	Intermediate Transport Phenomena	3(3-0-9)
CHE 642	Chemical Reaction Engineering	3(3-0-9)
CHE 785	Graduate Seminar	1(0-1-3)
CHE xxx	Elective 3	3(3-0-9)
	Total	10(9-1-30)

Second Year First Semester

CHE 789	Dissertation	6(0-12-24)
CHE xxx	Elective 4	3(3-0-9)
	Total	9(3-12-33)

Second Year Second Semester

CHE 789	Dissertation	9(0-18-36)
	Total	9(0-18-36)

	Third Year First Semester	
CHE 789	Dissertation	9(0-18-36)
	Total	9(0-18-36)
	Third Year Second Semester	
CHE 789	Dissertation	9(0-18-36)
	Total	9(0-18-36)
	Forth Year First Semester	
CHE 789	Dissertation	9(0-18-36)
	Total	9(0-18-36)
	Forth Year Second Semester	
CHE 789	Dissertation	6(0-12-24)
	Total	6(0-12-24)