

The program aims at producing educational personnel with fundamental knowledge in chemistry to have knowledge and expertise in various branches of chemistry and to have in-depth knowledge and skills in conducting research. They should be able to research for new bodies of knowledge or innovations and be able to apply the knowledge for academic, societal and national development.

Applicant Qualifications

1. A candidate must hold a master's degree in the field of physical chemistry, analytical chemistry, organic chemistry or equivalent, with a GPA of not less than 3.5, or
2. The candidate must hold a bachelor's degree with at least second-class honors in chemistry or related fields.

The candidate 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.

The candidate may be considered the program committee for admission

Professions after Graduation

1. Teacher, lecturer, academic, researcher and scientist in government agencies and private educational institutions
2. Academic, researcher and scientist in the departments of state enterprises such as the Institute of Scientific and Technological Research of Thailand, Excise Department, Petroleum Authority of Thailand Electricity Generating Authority of Thailand, etc.
3. Academic, researcher, scientist and consultant in business and industrial sector

Curriculum

Plan 2.1 for student with Master degree	48 Credits
Plan 2.2 for student with Bachelor degree	72 Credits

Curriculum Components

Plan 2.1 for student with Master degree

• Compulsory Course	1	Credits
• Major Course	-	Credits
• Selective Course	11	Credits
• Dissertation	36	Credits

Plan 2.2 for student with Master degree

• Compulsory Course	6	Credits
• Major Course	6	Credits
• Elective Course	12	Credits
• Dissertation	48	Credits

COURSE STRUCTURE

Plan 2.1 for student with Master degree

First Year

First Semester	Credits
CHM xxx Elective	2 (2-0-6)
CHM xxx Elective	3 (3-0-9)
CHM xxx Elective	3 (3-0-9)
LNG 550 Remedial English Course for Post Graduate Students 2 (1-2-6)	
Total	8 (8-0-24) or 10 (9-2-30)
Second Semester	Credits
CHM xxx Elective	3 (3-0-9)
CHM 798 Dissertation	7 (0-14-28)
LNG 600 In-sessional English Course for Post Graduate Students 3 (2-2-9)	
Total	10 (3-14-37) or 13 (5-16-46)

Second Year

First Semester	Credits
CHM 798 Dissertation	9 (0-18-36)
Total	9 (0-18-36)
Second Semester	Credits
CHM 798 Dissertation	9 (0-18-36)
Total	9 (0-18-36)

Third Year

First Semester	Credits
CHM 798 Dissertation	9 (0-18-36)
Total	9 (0-18-36)
Second Semester	Credits
CHM 797 Seminar III	1 (0-2-3)
CHM 798 Dissertation	2 (0-4-8)
Total	3 (0-6-11)

Plan 2.2 for student with Bachelor degree

First Year

First Semester	Credits
CHM xxx Elective	3 (3-0-9)
CHM xxx Elective	3 (3-0-9)
CHM 601 Research Methodology	2 (2-0-6)
LNG 550 Remedial English Course for Post Graduate Students 2	(1-2-6)
Total	9 (9-0-27) or 11 (10-2-33)

Second Semester

Second Semester	Credits
CHM xxx Elective	3 (3-0-9)
CHM xxx Elective	3 (3-0-9)
CHM xxx Elective	3 (3-0-9)

CHM 697 Seminar I	1 (0-2-3)
LNG 600 In-sessional English Course for Post Graduate Students 3 (2-2-9)	
Total	10 (9-2-30) or 13 (11-4-39)

Second Year

First Semester	Credits
CHM xxx Elective	3 (3-0-9)
CHM 799 Dissertation	6 (0-12-24)
Total	9 (3-12-33)
Second Semester	Credits
CHM 698 Seminar II)	1 (0-2-3)
CHM 799 Dissertation	6 (0-12-24)
Total	7 (0-14-27)

Third Year

First Semester	Credits
CHM 799 Dissertation	6 (0-12-24)
Total	6 (0-12-24)
Second Semester	Credits
CHM 797 Seminar III	1 (0-2-3) ()
CHM 799 Dissertation	6 (0-12-24)
Total	7 (0-14-27)

Forth Year

First Semester	Credits
CHM 799 Dissertation	6 (0-12-24)
Total	6 (0-12-24)
Second Semester	Credits
CHM 799 Dissertation	6 (0-12-24)
Total	6 (0-12-24)



Faculty of Science

Doctor of Philosophy Program in Chemistry

Fifth Year

First Semester

CHM 799 Dissertation

Total

Credits

6 (0-12-24)

6 (0-12-24)

Second Semester

CHM 799 Dissertation

Total

Credits

6 (0-12-24)

6 (0-12-24)