

Master & Doctor of Philosophy Programs in Chemistry

Research Fields

Organic Chemistry
Organic Synthesis and Catalysis
Surface, Coating and Catalysis
Biosensors
Inorganic Chemistry
Functional Materials
Flow Based Analytical Systems
Analytical Chemistry
Protein and Enzyme Technology
Fermentation Technology
Molecular Biology

Bioactive Compounds from Natural Resources
Physical Chemistry
Polymer Chemistry
Computational Chemistry
Coordination Polymer/Metal Organic Frameworks
Material Chemistry
Environmental Science
Food Chemistry
Biomedical and Biopharmaceutical
Green Biotechnology



For more information,
please visit the following website.
www.chem.science.cmu.ac.th



Doctor of Philosophy Program in Chemistry (International Program)

Type 1.1 : For student with Master's Degree

Degree Requirements **48 credits**

A. Thesis

203898 Doctoral Thesis 48 credits

B. Academic Activities

1. A student has to attend seminar every semester throughout the program.
2. A student must present his/her work from his/her doctoral thesis at least once in a well-acknowledged international conference abroad.
3. There must be at least two articles which are relevant to a student's thesis published or accepted for publication in well-acknowledged international journals, one of which must be indexed in either ISI, Scopus, Web of Science or Pubmed database with the student as the first author, or supplanted by a patent or a petty patent.
4. A thesis progress report with an approval of the Graduate Study Committee must be submitted to the Graduate School every semester.

C. Non-credit Courses

1. Requirement of the Graduate School A foreign language
2. Requirement of the program The following courses must be enrolled and granted the Satisfactory (S) grade.

203753 (Scientific Reading and Writing in Chemistry)

203754 (Statistics and Computer Programs for Chemical Research)

203791 (Graduate Seminar in Chemistry 1)

203792 (Graduate Seminar in Chemistry 2)

203891 (Graduate Seminar in Chemistry 3)

D. Qualifying Examination

1. A student must pass a qualifying examination which is conducted in English to evaluate his/her competency prior to proceeding with a thesis proposal.
2. A student may re-take a qualifying examination if he/she fails the first time, but it must be completed within the following regular semester.
3. If a student is not qualified conforming to a qualifying examination, he/she may be transferred to Master's Degree upon an approval of the Graduate Program Administrative Committee.

Type 1.2 : For student with Bachelor's Degree

Degree Requirements

72 credits

A. Thesis

203897 Doctoral Thesis 72 credits

B. Academic Activities

1. A student has to attend seminar every semester throughout the program.
2. A student must present his/her work from his/her doctoral thesis at least once in a well-acknowledged international conference abroad.
3. There must be at least three articles which are relevant to a student's thesis published or accepted for publication in well-acknowledged international journals, two of which must be indexed in either ISI, Scopus, Web of Science or Pubmed database with the student as the first author, or supplanted by a patent or a petty patent.
4. A thesis progress report with an approval of the Graduate Study Committee must be submitted to the Graduate School every semester.

C. Non-credit Courses

1. Requirement of the Graduate School A foreign language
2. Requirement of the program The following courses must be enrolled and granted the Satisfactory (S) grade.
203753 (Scientific Reading and Writing in Chemistry)
203754 (Statistics and Computer Programs for Chemical Research)
203791 (Graduate Seminar in Chemistry 1)
203792 (Graduate Seminar in Chemistry 2)
203891 (Graduate Seminar in Chemistry 3)
203892 (Graduate Seminar in Chemistry 4)

D. Qualifying Examination

1. A student must pass a qualifying examination which is conducted in English to evaluate his/her competency prior to proceeding with a thesis proposal.
2. A student may re-take a qualifying examination if he/she fails the first time, but it must be completed within the following regular semester.
3. If a student is not qualified conforming to a qualifying examination, he/she may be transferred to Master's Degree upon an approval of the Graduate Program Administrative Committee.