

Degree Requirements:

- Qualifying examination to evaluate his/her ability before presenting a thesis proposal
- Participation in the nanoscience and nanotechnology graduate seminar series
- Oral presentation on the topic related to his/her thesis at the international conference(s)
- Publications and/or patents (2 publications for 3 year program and three publications for 4 year program)



Tuition Fee : 35,000 BAHT per semester

Financial support/scholarships are available.

Curriculum Plans:

Doctoral Program in Nanoscience and Nanotechnology (International Program)

- 3-year doctoral degree
(Student with Master's degree) : 48 credits
- 4-year doctoral degree
(Student with Bachelor's degree) : 72 credits
- Financial support/scholarships are available

**Nanoscience
and Nanotechnology
Interdisciplinary Program**

Eligibility of the applicants

Type 1.1 : Student with Master's degree

- Completion of Master's degree with GPAX greater than 3.00 in the field of science and technology or health sciences or related fields

Type 1.2 : Student with Bachelor's degree

- Completion of Bachelor's degree with GPAX greater than 3.25 in the field of science and technology or health sciences or related fields
- OR
- Completion of Bachelor's degree with GPAX greater than 3.00 and additional requirement of publications.



Contact information



Tel. 053941915



Email : grad.nanocmu1@cmu.ac.th



www.materials-center.science.cmu.ac.th



Address : 239 Huay Kaew Road,
Suthep Mueang, Chiang Mai 50200



Nanoscience and Nanotechnology Interdisciplinary Program

Faculty of Science, Chiang Mai University



Nanoscience and Nanotechnology Interdisciplinary Program

Chiang Mai University was founded in 1964 and was the first institution of higher education in the north and the first provincial university of Thailand as a center for academic and occupational knowledge in order to benefit the region and the country as a whole.

Ph.D. Program in Nanoscience and Nanotechnology

(International/Interdisciplinary Program)

is an interdisciplinary program administered by Materials Science Research Center (MSRC), Faculty of Science. Nanoscience and Nanotechnology is a broad field of research encompassing diverse disciplines including chemistry, biochemistry, materials science, physics, pharmacy, medicine, computer and electrical engineering, biomedical engineering, agro-industry, and environmental sciences. At CMU, faculty members from various backgrounds and research interests in various aspects of nanoscience and nanotechnology. This Ph.D. program provides opportunity for students to gain knowledge and skills through interdisciplinary collaborations.



Our Mission

Nanoscience and Nanotechnology Doctoral program at CMU is a multidisciplinary program providing a platform to students to work in broad area of nanoscience and nanomaterials disciplines.



We aim to facilitate interaction among scientists across the disciplines toward the discovery beyond the traditional disciplines.

In this program, Ph.D. students are educated through research projects in broad disciplines and academic activities. Coursework is not required but students have freedom to participate in courses that are relevant to their research projects.



The students will have opportunity to

- Gain an understanding of emerging nanotechnologies and the applications of nanomaterials
- Build experience in experimental design, scientific data analysis, research practice and effective collaboration
- Develop knowledge in nanosciences and material sciences as the relevance to biotechnology

Current research areas within nanoscience and nanotechnology at CMU include:

- I) Synthesis and characterization of nanostructured materials/nanocomposites
- II) Nanomaterials in biomedical applications
- III) Fabrication of nanosensors/nanodevices and their applications
- IV) Nanomaterials and their applications in energy and environment

Nanoscience and Nanotechnology Interdisciplinary Program