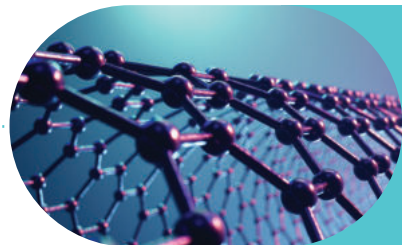




RESEARCH AREAS

Advanced Materials and Nanotechnology

- Polymer Science and Engineering
- Functional Materials and Catalysts
- Sustainable and Green Materials



Artificial Intelligence and Machine Learning in Chemical Engineering

- Neural Networks and Deep Learning
- Data Analysis and Optimization
- Smart Process Design and Operation



Green and Renewable Energy

- Alternative Fuels and Biofuels
- Fuel Cells and Batteries



Sustainable Chemical Processes and Technologies

- Carbon Capture and Utilization
- Life Cycle Assessment and Performance
- Waste Management and Resource Recovery
- Green Chemistry and Process Optimization



BioResource Valorization and Purification of Bioactive Compounds

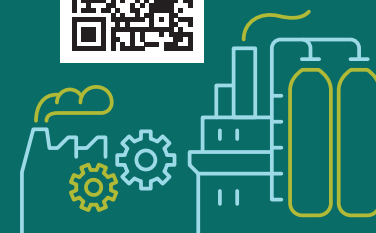
- Bioresource Conversion into Value-added Materials
- Extraction/Purification/Encapsulation of Bioactive Compounds



Chemical Engineering, Kasetsart University

50 Ngamwongwan Rd., Ladyao, Chatuchak Bangkok 10900

- (66) 2797-0999 ext. 1202-4
- (66) 2561-4621
- Chemical Engineering [KU]
- KUCHE - KU Chemical Engineering
- <https://che.eng.ku.ac.th>



CHEMICAL ENGINEERING

KASETSART UNIVERSITY





BACHELOR OF ENGINEERING PROGRAM IN CHEMICAL ENGINEERING

- A 4-year program with coursework \geq 143 credits.
- A 4+1-year program is available to obtain a Master's degree in chemical engineering, with a scholarship for the last 2 years.
- The Chemical Engineering program is accredited by the Council of Engineers Thailand.
- Students can select either a regular or cooperative program with industrial training experience for one semester.
- An internship overseas is available.



CAREERS IN CHEMICAL ENGINEERING

- Production engineer
- Process control engineer
- Quality control engineer
- Manufacturing engineer
- Maintenance engineer
- Environment engineer
- Development engineer
- Design engineer
- Chief executive officer
- Technical service engineer
- Sales & marketing engineer
- Production manager



International and Industrial Linkages



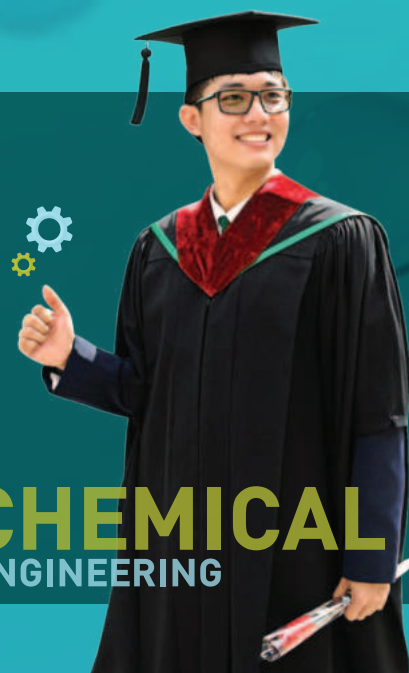
GRADUATE PROGRAMS IN CHEMICAL ENGINEERING

Master's Degree Programs

- Plan 1.1** Research program
Thesis \geq 36 credits
- Plan 1.2** Research + Coursework program
Required courses 24 credits + Thesis \geq 12 credits

PhD's Degree Programs

- Plan 1.1** Research program
Thesis \geq 48 credits
- Plan 1.2** Research program
(5-year program, Bachelor's degree GPAX \geq 3.25)
Thesis \geq 72 credits
- Plan 2.1** Coursework program
Required courses 12 credits + Thesis \geq 36 credits
- Plan 2.2** Coursework program
(5-year program, Bachelor's degree GPAX \geq 3.25)
Required courses 24 credits + Thesis \geq 48 credits



CHEMICAL ENGINEERING



RESEARCH OPPORTUNITIES

- in • Taiwan • Austria
• Japan • Korea
• Australia • England
• Europe • New Zealand
• Canada • USA
for 3-12 months



SCHOLARSHIPS/ RESEARCH GRANTS

- Department of Chemical Engineering Scholarship
- Faculty of Engineering Scholarship
- Graduate School Scholarship
- Royal Golden Jubilee PhD
- Research Grants from Academy, Government and Industry

