



About Us

Department of Chemical Engineering, established in 1970, has fostered excellent expertise and outstanding personal character among our students. The Master Program initiated in 1982 and the Doctoral Program in 1986 balance chemical engineering fundamentals with industrial technology. Since 1970s, the Department has educated distinguished scholars and technical leaders. Currently, the department has 18 full-time faculty members, approximately 400 undergraduates, 60 Master Program students, and 8 Doctoral Program students. Today, our faculty is involved in research programs not only in the traditional chemical engineering fields, but also actively in developing nanotechnology, high-tech materials science, resources and environmental protection, and sustainable energy and so on.

Primary Research Areas

Chemical engineering manufacturing process

Nano-catalytic materials; process system engineering; catalyst chemistry and catalytic kinetics; separation processes; metallization of ICs processing.

Energy source technology

Process of methanol reforming reaction; chemical engineering of biomass oil; catalytic microwave engineering; solar cells; biosensors.

High polymeric top-ranked materials

Organic / inorganic hybrid materials; photo-electronic polymeric materials; bio-medical and intelligent hydrogel materials; organic metallic nano-materials; semi-conductive polymeric materials; molecular imprinted polymers.

Liquid crystalline photoelectric materials

Novel liquid crystalline materials and photo-electric materials; electroluminescence polymeric materials.

Core Courses

Engineering Mathematics, Organic Chemistry, Physical Chemistry, Transport Phenomena and Unit Operation, Polymer Chemistry, Chemical Thermodynamics, Chemical Reaction Engineering

Course Requirements:

- Requirements for a B.S. Degree: 140 credits of courses
- Requirements for a M.S. Degree: 32 credits of courses
- Requirements for a Ph.D. Degree: 22 credits of courses

Contact

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