

# ABOUT US

The postgraduate program of chemical engineering is an educational institution with an **international reputation**, which plays the role of referral institution and as a center of excellence in the transfer and development of chemical engineering science.

We are providing high **quality education**, applying and developing science and technology in the field of chemical engineering that answer the challenges of national and international needs, and participating in promoting the acceleration of eco-industrialization

## THE POSTGRADUATE PROGRAM



### CONTACT US for further information



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<http://www.its.ac.id/tkimia> (department)  
<http://smits.its.ac.id> (registration & fee)

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Department of Chemical Engineering  
Faculty of Industrial Technology and System Engineering  
Institut Teknologi Sepuluh Nopember  
Surabaya

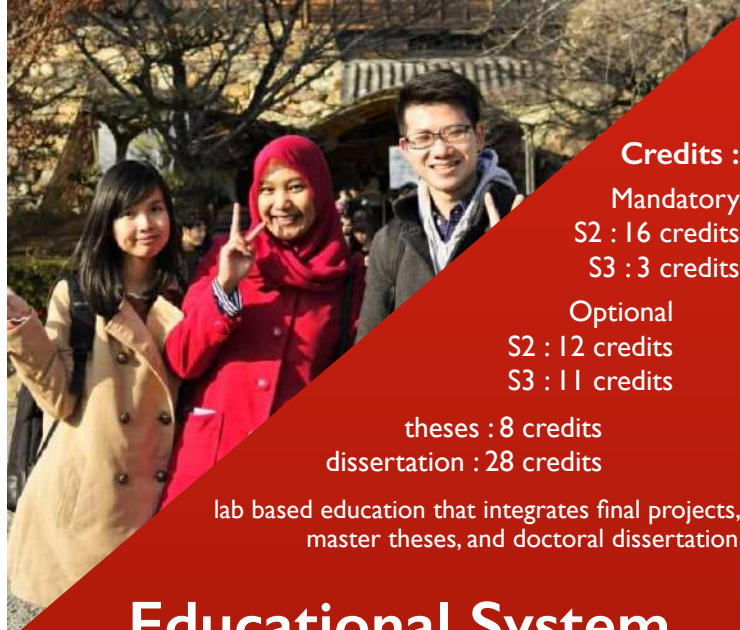
# Overview

## Master Program

- Since 1991
- Accreditation : A
- Program :
  - Regular
  - Student Exchange : Kumamoto University, KMUTT Thailand
  - Double Degree : Taiwan (NTUST, NCHU) Japan (Kumamoto University)

## Doctor Program

- Since 2001
- Accreditation : A
- Program :
  - Regular
  - Double Degree : Taiwan (NTUST, NCKU, NCHU) Japan (Hiroshima Univ.)
  - Sandwich : Taiwan (NTUST, NTU) Korea (Yeungnam University) Denmark (Denmark Univ. of Tech.) Japan (Hiroshima, Kumamoto, Nagoya Univ. Tokyo Univ of Agriculture & Tech.)



Credits :

Mandatory  
S2 : 16 credits  
S3 : 3 credits

Optional  
S2 : 12 credits  
S3 : 11 credits

theses : 8 credits  
dissertation : 28 credits

lab based education that integrates final projects, master theses, and doctoral dissertation

## Educational System

### Master Courses :

#### Mandatory

- Advanced Thermodynamics
- Advanced Process Synthesis
- Advanced Transport Phenomenon
- Advanced Chemical Reaction Engineering

#### Optional

- Physical Process
- Chemical Process
- Biological Process
- Management and Design

### Doctoral Courses :

#### Mandatory

##### Capita-Selecta

- Environmental Engineering Management
- Advanced Chemical Engineering Principal
- Instrumentation and Analytical Method

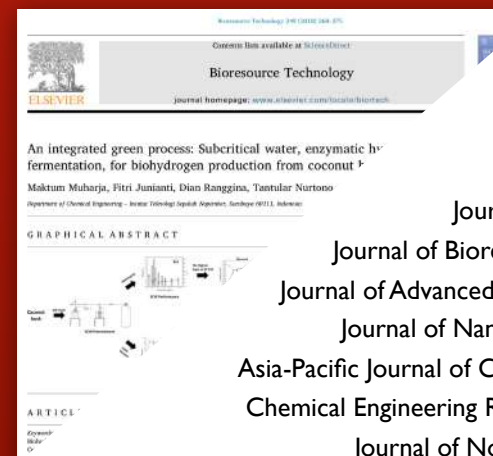
#### Optional

- Physical Process
- Chemical Process
- Biological Process
- Management and Design

## Laboratory & Lecturer

- |  |                      |
|--|----------------------|
| • Fluid Mechanic and Mixing                        | Dr. Suci Madhania    |
| • Process System Engineering                       | Dr. Tantular Nurtono |
| • Heat and Mass Transfer                           | Dr. Susianto         |
| • Chemical Process Reaction and Biomass Conversion | Prof. Mahfud         |
| • Thermodynamics                                   | Prof. Gede Wibawa    |
| • Electrochemistry and Corrosion                   | Prof. Heru Setyawan  |
| • Biomass and Industrial Waste Treatment           | Orchidea R, MT       |
| • Biochemical Engineering                          | Prof. Arief Widjaja  |
| • Material Technology                              | Dr. Sumarno          |

Chemical Engineering department run by 11 professors and Doctors by total 29 lecturer who graduated from well reputed universities around the world



- Journal of BioResources
- Journal of Bioresources Technology
- Journal of Advanced Powder Technology
- Journal of Nanoparticle Resesarch
- Asia-Pacific Journal of Chemical Engineering
- Chemical Engineering Research and Design
- Journal of Non-Crystalline Solids
- Journal of Chemical Engineering of Japan
- Journal of Engineering and Technological Sciences
- Journal of Chemical & Engineering Data
- Journal of Industrial and Engineering Chemistry
- etc



## Publications

