

# Study in Korea for Your Future



**School of Chemical Engineering (SCE; Department of Chemical Engineering <Graduate Program>) at Yeungnam University** located near Daegu, the 4<sup>th</sup> largest city in Korea, offers full scholarship to **foreign** students who want to study their MS, PhD, or combined MS-PhD degree studies. YU campus is located in Gyeongbuk Province, the south eastern part. YU was also founded by President Park in 1967 and has a special graduate school “Park Chung Hee School of Policy of Saemaul” named after him. SCE is one of **the top 10 strongest departments in Chemical Engineering research** in Korea.

**Area of study:** Polymers, Organic Chemistry, Inorganic Chemistry, Nano Technology, Clean Technology, Graphene, Catalysis, Process Control, Photovoltaic and Dye-sensitized Solar Cells, Quantum Dot Solar Cells, Secondary Batteries, Microbial Fuel Cells, Biofilm Reactors, etc.

**Requirements:** (1) BS and/or MS degree in Chemistry, Chemical Engineering, Biotechnology, and related area (including current UG and MS students who has already graduated or will be graduating **by August, 2017**. If your official graduation date is in **September, 2017**, you may still apply by getting the Certificate of Expectant Graduation from your university.)

(2) English score

For **100%** tuition waiver: **TOEFL (> 590 pbt, > 240 cbt, or > 95 ibt), TOEIC (> 800), or IELTS (> 7.0)**

For **70%** tuition waiver: **TOEFL (> 550 pbt, > 210 cbt, or > 80 ibt), TOEIC (> 700), or IELTS (> 6.0)** (For the full scholarship, you'll need to contact the professor who you want to work with. Send me the filled-out Student Information Form.)

[For those who has the proof certificate that English is the language of instruction for their BS in the country whose official language is English, English score is not required.]

- (3) Academic Record: Letter grade CGPA > 2.5/4.0 (< 2.5/4.0 in the Philippines), Percentage grade CGPA > 55%, or Number grade CGPA > 7.0 /10

**Remarks:** **High academic achievements** in the undergraduate study and **good research experience** in the graduate study will be acknowledged.

- **Top 5% or 10% students from the best university in their country** who want to join Prof. JJShim's lab will get a special benefit (contact him directly if interested).

## Why do you have to choose Yeungnam University?

Because

- (1) It is one of the best private universities in the south of Han River in South Korea.
- (2) It is **one of the top 14 best research Engineering Colleges** in entire South Korea.
- (3) For all foreign students (above English standard) their **tuitions are waived 100%**.
- (4) **Student dormitory** is available for all the foreign graduate students.
- (5) It develops the student's leadership for their future.
- (6) It is a university that is pursuing globalization.
- (7) It is one of the universities that have the longest histories in Korea (opened in 1947).

## Why do you have to choose School of Chem. Eng.?

Because

- A) **All the foreign students are fully supported** (including the tuition and living costs) from the **BK21 PLUS program, the Priority Research Centers Program of Korea, or their professor's research grants.**
- B) **It is recognized as a strong department in Chemical Engineering and Chemistry in Korea**
  - (1) **Education Programs:** It is the most Korean Government-supported ChE department in Korea (5 Programs).
    - (a) Undergraduate education
      - ① University for Creative Korea (CK),
      - ② Leaders in Industry-University Cooperation (LINC)
      - ③ Regional Innovation Center (RIC)
    - (b) Graduate education
      - ① BK21 PLUS Program
      - ② Solar Cell Materials Program
  - (2) **Academics:**
    - (a) Faculty : 27 full time professors (21 got their PhD or were trained abroad), 5 adjunct professors, **15 foreign professors**
    - (b) **Graduate students: 130** (MS 95, PhD 35) (**40 foreign Grad students**)
    - (c) **Undergraduate students: 870**
    - (d) Courses are open in **English** (graduate program only)
  - (3) **Research Capacity:**
    - (a) **Top 10 ranked in Chemical Engineering research** in entire South Korea
    - (b) Major department for the **Institute of Clean Technology**
    - (c) **Korean Government supported-Clean Energy Priority Research Center**

- (d) Foreign Research Professors: 15, Post-docs: 12, Graduate students: 110
  - (e) Highly accurate equipments such as XRD, XPS, HR-TEM, FE-TEM, FE-SEM, NMR, GPC, TGA, AA, AFM, AutoLab ElectroChem Workstation, Centrifuge, Freeze dryer, CVD, Microwave reactor, Ultrasonicator, etc. are equipped in the dept and the univ.
- (4) **Accreditation:** UG program is world recognized. **Accredited first in Korea by ABEEK** (Accreditation Board for Engineering Education in Korea), a member of Washington Accord in 2001.
- (5) **International Activity: 10 MOUs, 2 International Symposiums/yr**
- C) It is the most active department in Yeungnam University.**
- (1) Has **six Government-supported programs**
  - (2) Has been selected as **the best department** in Yeungnam University since 2013
  - (3) **Institute of Clean Technology** has been selected as **the best** in YU since 2012.
  - (4) It is **the most internationalized department** (with about **60 foreigners**).
- D) It is open to foreign students.**
- (1) **English is a common language in the department and is the language of instruction** for many graduate classes for the foreign students.
  - (2) **Many foreign students**  
**Vietnamese, Chinese, Indian, Indonesian, Nepalis, Filipinos, Bangladeshi, Saudi Arabian, Pakistanese, Egyptian, Cameroonian (about 40 students)**
  - (3) **Many foreign professors and post-doc researchers**  
**Indian, Vietnamese, Chinese, Neapli, Indonesian, Egyptian, Pakistanese (about 25 scholars)**
- E) It has a strong relationship with foreign universities.**
- (1) **Sister relationships with many universities** such as
    - (a) Kyushu University (Japan)
    - (b) Hochiminh City University of Technology (Vietnam)
    - (c) Shanghai University (China)
    - (d) Nanjing University (China)
    - (e) University of Florida at Gainsville (USA)
    - (f) Oregon State University (USA)
    - (g) Hanoi University of Science and Technology (Vietnam)
    - (h) Danang University of Science and Technology (Vietnam)
    - (i) Shivajji University (India)
    - (j) University of Santo Tomas (Philippines) is under way
  - (2) **Annual joint symposiums** with Kyushu University and Shanghai University
  - (3) **International Symposium on Clean Technolgy** invited professors from the universities worldwide (**bold: sister universities**), such as
    - (a) **USA:** Auburn University, **University of Florida**, Rochester University, **Oregon State University**, University of California at Riverside
    - (b) **China:** **Nanjing University**, Tianjin University, **Shanghai University (3)**, Soochow University, Yangzhou University, **Chinese Academy of Sciences (3)**
    - (c) **Japan:** Hokaido University, Tokyo Institute of Technology, **Kyushu University (2)**, National Institute of Advanced Industrial Science and Technology, Shizuoka University, Tokyo University of Agriculture and Technology
    - (d) **Russia:** University of Novosivirsk, Russian Academy of Sciences

- ⑤ **Germany:** University of Kaiserslautern
- ⑥ **England:** University of Manchester Institute of Science and Technology
- ⑦ **India:** Indian Institute of Technology, National Chemical Lab, Visvesvaraya Technological University, University of Mysore, Shivaji University
- ⑧ **Singapore:** National University Singapore
- ⑨ **Vietnam:** Hanoi University of Science and Technology (2), Hochiminh City University of Technology (5),
- ⑩ **Indonesia:** Sriwijaya University, University of Indonesia,
- ⑪ **Malaysia:** Universiti Teknologi Petronas, Curtin University Sarawak Campus
- ⑫ **Bangladesh:** Bangladesh University of Engineering and Technology
- ⑬ **Ukraine:** National Academy of Sciences
- ⑭ **Australia:** Southern Cross University

(4) **Shimgang Distinguished Lecture** invited the former President of Nanjing University, China in October, 2010.

### **Important Notice:**

- ◆ The **Student Information Form (spring 2017)** should be referred for the list of professors who are seeking foreign students and their research areas as well as the number of necessary foreign students.
- ◆ **The deadline for the submission of the Student Information Form, official English score, CV (with photograph; CGPA and the departmental ranking in the graduating batch are also necessary) is Apr 10, 2017 (to Prof. Shim).**
- ◆ The students who want to join the department are encouraged to send his/her
  - ① **Student Information Form (see the attached file),**
  - ② **all available transcripts (such as UG and MS),**
  - ③ **curriculum vitae (with photograph; CGPA and the departmental ranking in the graduating batch are also necessary),**
  - ④ **official English score card (taken within 2 years), and**
  - ⑤ **purpose of study (including personal history or essay)**
 to **Prof. Shim** (see below) by **E-mail**, at least, by **Apr 10**.
- ◆ **English Score (such as TOEFL, TOEIC, and IELTS) must be submitted by Apr 28, 2016 to be a recipient of the full tuition waiver. (Note that Institutional TOEIC or institutional TOEFL score is not admitted.)**
- ◆ **Countries where English is the Official Language** (such as Philippines, India, and Pakistan) : Students from these countries can submit **the proof certificate of English medium** instead of the official English score to show that they were taught in English as the language of instruction for more than 4 years in their undergraduate or graduate studies.
- ◆ **The period of application : Online & payment : 3.29. 9:30 ~ 4.26. 16:00 (KST)**  
**Documents submission: 3.29. 9:30 ~ 4.28. 16:00 (KST)**
- ◆ **SThe entrance date : September 1, 2017**

The materials from you will be delivered to the professor who you prefer so that he can contact you within a week before making his decision.

For further inquiries, please feel free to contact me:

**Jae-Jin Shim, Ph.D.**

**Chairman of External Cooperation Committee, School of ChE**

**Director of the Clean Energy Priority Research Center**

**Director of the Institute of Clean Technology**

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