

Study in Korea for Your Future



School of Chemical Engineering (for graduate program, we have the Department of Chemical Engineering) at **Yeungnam University** located near Daegu, the 4th largest city in Korea, offers full scholarship to **foreign** students who want to study their MS and PhD studies. YU campus is located in Gyeongbuk Province where President Chung Hee Park was born. YU was also founded by President Park in 1967 and is running Special Graduate School “Park Chung Hee School of Policy of Saemaul” named after him.

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 is graduating by **August, 2016**. Even for the case of **September or October** graduation, you may still apply if you can get the **Certificate of Expectant Graduation by the end of August**.)

(2) English score of **TOEFL (> 500 pbt, > 173 cbt, or > 61 ibt)**, **TOEIC (>650)**, or **IELTS (> 5.5)**

[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 > 3.0/4.3 (< 2.5/4 in the Phiippines)
or Number grade CGPA > 7.0 /10

Remarks: **High academic achievements in the undergraduate 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 much more 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,
 - ② Leaders in Industry-University Cooperation
 - ③ Regional Innovation Center)
 - (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-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. **First accredited 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, Cameroonian: altogether about 40 students
- (3) **Many foreign professors and post-doc researchers**
Indian, Vietnamese, Chinese, Neapli, Indonesian, Egyptian, Pakistanese: altogether about 20 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) Shivaji 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
 - (e) **Germany:** University of Kaiserslautern
 - (f) **England:** University of Manchester Institute of Science and Technology
 - (g) **India:** Indian Institute of Technology, National Chemical Lab, Visvesvaraya Technological University, University of Mysore, Shivaji University
 - (h) **Singapore:** National University Singapore
 - (i) **Vietnam:** **Hanoi University of Science and Technology (2)**, **Hochiminh City University of Technology (5)**,
 - (j) **Indonesia:** **Sriwijaya University**, University of Indonesia,
 - (k) **Malaysia:** Universiti Teknologi Petronas, Curtin University Sarawak Campus
 - (j) **Bangladesh:** Bangladesh University of Engineering and Technology

Ⓜ **Ukraine:** National Academy of Sciences

Ⓝ **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 2016)** 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 5, 2016 (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 5.**
- ◆ **English Score (such as TOEFL, TOEIC, and IELTS) must be submitted by the end of April 2016 to be a recipient of the full tuition waiver. (Note that Institutional TOEIC or 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 : Apr 6 ~ May 4 (not yet announced)**

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

Professor, School of Chemical Engineering

Tel: 053-810-2587, Fax: 053-810-4631

Email: jjshim@yu.ac.kr